

COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY

An International Journal

EDITOR: G. A. KERKUT (*Southampton*)

VOLUMES 68-70 A, B and C, 1981
Author and Subject Indexes



PERGAMON PRESS

OXFORD • NEW YORK • TORONTO • SYDNEY
PARIS • FRANKFURT

Vol.
9A
1981

Comparative Biochemistry and Physiology

Editor

Professor G. A. KERKUT, Department of Physiology and Biochemistry, University of Southampton, Southampton SO9 3TU, England (Executive Editor).

Members of the Honorary Editorial Advisory Board

T. H. BULLOCK (La Jolla)	H. S. MASON (Portland)
C. B. COWEY (Aberdeen)	C. L. PROSSER (Urbana)
R. FÄNGE (Göteborg)	J. ROCHE (Paris)
E. FLOREY (Konstanz)	B. T. SCHEER (Santa Barbara)
W. S. HOAR (Vancouver)	C. A. VILLEE (Massachusetts)
H. KINOSITA (Saitama)	G. WALD (Harvard)
E. KREPS (Leningrad)	J. H. WELSH (Maine)
O. LOWENSTEIN (Birmingham)	
C. MANWELL (Adelaide)	

Publishing Office: *Journals Production Unit, Hennock Road, Marsh Barton, Exeter EX2 8RP, England (Tel. Exeter (0392) 51558; Telex 42749)*

Subscription enquiries and Advertising Offices

North America: Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, U.S.A.
Rest of the World: Pergamon Press Ltd, Headington Hill Hall, Oxford OX3 0BW, England (Tel. Oxford 64881).

Annual Subscription Rates 1982 (including postage and insurance)

For libraries, research establishments and all other multiple-reader institutions: combined subscriptions; 1-yr \$1100.00; 2-yr \$2090.00. Part A, Comparative Physiology \$500.00; Part B, Comparative Biochemistry \$500.00; Part C, Comparative Pharmacology \$280.00. (2-yr subscription rates: Part A \$950.00, Part B \$950.00, Part C \$532.00.)

Specially Reduced Rates to Individuals

In the interests of maximizing the dissemination of the research results published in this important international journal we have established a two-tier price structure. Any individual whose institution takes out a library subscription may purchase a second or additional subscription for personal use at the much reduced rate of \$80.00 per annum (combined subscription). Part A, Comparative Physiology \$55; Part B, Comparative Biochemistry \$55; Part C, Comparative Pharmacology \$45. Parts A and B: Three volumes of each part per year, four issues per volume (Part A—1st of the month; Part B—15th of the month). Part C: Three volumes per year, two issues per volume (commencing Vol. 50, No. 1, 1975).

Microform Subscriptions and Back Issues

Back issues of all previously published volumes are available in the regular editions and on microfilm and microfiche. Current subscriptions are available on microfiche simultaneously with the paper edition and on microfilm on completion of the annual index at the end of the subscription year.

Copyright © 1982 Pergamon Press Ltd

It is a condition of publication that manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher, if and when the article is accepted for publication. However, assignment of copyright is not required from authors who work for organizations which do not permit such assignment. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of similar nature and translations. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, electrostatic, magnetic tape, mechanical, photocopying, recording or otherwise, without permission in writing from the copyright holder.

U.S. Copyright Law applicable to users in the U.S.A.

The Article Fee Code on the first page of an article in this journal indicates the copyright owner's consent that in the U.S.A., copies may be made for personal or internal use, provided the stated fee for copying beyond that permitted by Section 107 or 108 of the United States Copyright Law is paid. The appropriate remittance should be forwarded with a copy of the first page of the article to the Copyright Clearance Center Inc., 21 Congress Street, Salem, MA 01970. If a code does not appear, copies of the article may be made without charge, provided permission is obtained from the publisher. The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works or for resale. Specific written permission must be obtained from the publisher for such copying. In case of doubt please contact your nearest Pergamon office.

PERGAMON PRESS

HEADINGTON HILL HALL, OXFORD OX3 0BW, ENGLAND
MAXWELL HOUSE, FAIRVIEW PARK, ELMSFORD, NY 10523, U.S.A.

Vol.
69A
1981

AUTHOR INDEX

Volumes 68-70 A, B and C inclusive, 1981

- | | | |
|------------------------------|-------------------------------|--------------------------|
| Abe, A. S. 68A, 159 | Anderson, L. C. 70A, 567; | Balasch, J. 68C, 161 |
| Abiko, Y. 70C, 35 | 70B, 725 | Balbontin, F. 68A, 123 |
| Ackerman, R. 70A, 359 | Andersson, K. 69C, 83 | Balcer, J. P. 70B, 601 |
| Ackman, R. G. 69B, 725 | Andersson, T. 68C, 239 | Baldo, B. A. 69C, 325 |
| Adams, M. 70B, 85 | Andrade, C. M. 69B, 859 | Baldwin, G. F. 68A, 181; |
| Adjovi, Y. 69A, 31, 529, 717 | Andreoli, M. 70B, 341 | 70A, 65 |
| Agarwal, R. P. 70B, 595 | Andreu, G. C. 70B, 421 | Balegno, H. F. 70B, 559 |
| Agnisola, C. 70B, 521, 623 | Andrews, P. L. R. 70C, 241 | Ballantyne, J. 69B, 1 |
| Agosin, M. 68B, 237 | Andrews, R. V. 69A, 267; | Ballas, S. K. 68B, 421 |
| Aguado, J. A. F. 69B, 819 | 70A, 23 | Banchero, N. 70A, 321 |
| Ahn, P. C. 69A, 161 | Antonyuk, Z. 70A, 107 | Bar, A. 68B, 401 |
| Aiello, E. 69C, 25 | Aomine, M. 68A, 131, 531 | Barcelos, S. R. 70A, 83 |
| Aikawa, T. 70B, 199 | Arechiga, H. 69A, 631 | Barnett, A. 70B, 185 |
| Aikawa, Y. 70B, 199 | Arillo, A. 68A, 307 | Barra, D. 69B, 737, 747, |
| Aissi, E. 70B, 133 | Armitage, K. B. 69A, 621, 627 | 753 |
| Ajimal, G. S. 68C, 133 | Armitage, M. E. 68B, 183 | Barrett, J. 70B, 141 |
| Akaike, N. 69A, 249 | Arrondo, J. L. R. 70A, 615 | Barrowclough, G. F. 69B, |
| Aksnes, A. 69B, 893 | Art, G. R. 69A, 23 | 629 |
| Alam, M. 69B, 535 | Asai, H. 70A, 479 | Barry, C. R. 69A, 649 |
| Al-Ayash, A. I. 68B, 445 | Aschoff, J. 69A, 611 | Bartkowiak, A. 68B, 357; |
| Albrecht, H. 70B, 393 | Austin, M. 68A, 515 | 70B, 819 |
| Alcolado, P. 68B, 481 | Austin, P. R. 69B, 283; 70B, | Bartkowiak, J. 70B, 819 |
| Alderman, J. A. 70B, 209 | 173 | Bartos, G. 68A, 273 |
| Aleman, M. 70A, 611 | Autunes, A. 70B, 327 | Bartrons, R. 70B, 247, |
| Alhadeff, J. A. 68B, 509 | Avaeva, S. M. 69B, 905 | 477 |
| Alizai, N. 68B, 445 | Avery, P. 69A, 449 | Baudinette, R. V. 68A, |
| Alkon, D. L. 68A, 487 | Avissar, I. 70B, 815 | 405; 68B, 491 |
| Allen, R. S. 68B, 259 | Avrova, N. F. 68B, 135 | Baum, M. J. 70A, 115 |
| Alohan, F. I. 68A, 625 | Axelsen, N. H. 68B, 9 | Baust, J. G. 70A, 579 |
| Aloia, R. C. 68B, 203, 209 | | Bayne, B. L. 69C, 399 |
| Alonso, A. 70A, 619 | Baars, A. J. 70C, 285 | Beamish, F. W. H. 68C, |
| Alonso-Bedate, M. 70B, 331 | Bagnara, J. T. 70B, 779, | 167 |
| Ambrosini, M. V. 70C, 209 | 783, 787 | Beaubatie, L. 68B, 125 |
| Amir, D. 69C, 121 | Bailey, B. A. 70B, 795 | Beaumont, A-L. 70A, 431 |
| Anctil, M. 68C, 187 | Bailey, J. P. 69B, 909 | Beaver, R. W. 69A, 665 |
| Anders, F. 69B, 91 | Baimbridge, K. G. 68A, 647 | Becker, P. L. 68C, 175 |
| Anderson, A. A. 70C, 195 | Baker, J. E. 69B, 189 | Beckers-Bleukx, G. 70A, |

- 341
- Beenackers, A. M. Th. 69B, 315; 70B, 387
- Behrisch, H. W. 70B, 263
- Beitinger, T. L. 68A, 507; 70A, 141
- Bell, F. P. 68C, 9
- Bell, K. 68B, 225
- Bengtsson, G. B. 69B, 201
- Ben-Horin, A. 68A, 277
- Benjamin, P. R. 70A, 293
- Bennett, J. L. 69B, 803
- Bentley, P. J. 68A, 181; 70A, 65
- Beraldo, M. J. A. H. 68A, 241
- Berglind, R. 69C, 83
- Bergman, J. L. 70A, 599
- Berman, A. 70A, 223
- Bernicard, A. 68B, 65
- Berruti, G. 69B, 323
- Berry-Lortsch, E. 69B, 243
- Bertin, R. 70B, 193
- Bertout, M. 70B, 493
- Bertoy, R. W. 68A, 237; 70A, 179
- Best, R. C. 69A, 177
- Betti, F. 69A, 739
- Bidigare, R. R. 70B, 409
- Bieniarz, K. 70C, 135
- Bintz, G. L. 69A, 551
- Bird, J. E. 68A, 237
- Birk, Y. 69B, 639, 647
- Bittner, G. D. 68A, 299
- Black, R. E. 70B, 649
- Blackmore, D. W. 69A, 279
- Bladier, D. 69A, 59
- Bledsoe, S. C. Jr. 69C, 145
- Blem, C. R. 69A, 259
- Blum, M. S. 69B, 903
- Blum, V. 70A, 53
- Board, P. G. 69B, 889
- Bobadilla, I. G. 70A, 611
- Bobadilla, M. S. 70A, 611
- Bobbin, R. P. 69C, 145
- Boge, G. 69A, 455
- Bohlin, L. 68B, 281
- Bohorov, O. 69A, 305; 70A, 643
- Bonde, A. A. 69B, 775
- Boniforti, L. 70B, 153
- Borch, G. 69B, 621
- Borgstrom, B. 68B, 15
- Bosch, J. 70B, 477
- Bossa, F. 69B, 737, 747, 753
- Bouchard, B. G. 68B, 245
- Boudon, M. 69B, 99, 107
- Bounias, M. 69B, 471
- Bouquet, Y. 69B, 223
- Bourgeois, J. G. 69C, 227
- Bourne, A. R. 70B, 661
- Bowerman, R. F. 69A, 73
- Bowman, C. E. 70B, 615, 803
- Brackenbury, J. H. 68A, 1; 69A, 449
- Bradley, E. L. 68A, 563
- Braekkan, O. R. 70A, 545
- Braham, R. 70B, 731
- Brand, S. 70A, 37
- Brauer, R. W. 68A, 501; 69A, 665
- Breepoel, P. M. 69A, 225, 709
- Breimer, D. D. 70C, 285
- Bretting, H. 70B, 69
- Brighenti, L. 68A, 313
- Brine, C. J. 69B, 283; 70B, 173
- Brown, A. C. 69A, 599
- Brown, A. V. 69A, 499, 505
- Brown, C. R. 69A, 51
- Brown, C. S. 69C, 53
- Brown, I. D. 69C, 275, 281
- Brown, I. R. F. 69A, 675; 70A, 335
- Brown, M. 70C, 215
- Brown, P. R. 70B, 541
- Brown, R. G. 70B, 27
- Brown, S. E. 70C, 109
- Bruce, M. J. 70A, 239
- Bruni, P. 68B, 599
- Brunori, M. 69C, 253
- Buckley, J. A. 69C, 133, 337
- Bueding, E. 69C, 227
- Bulfield, G. 69B, 295
- Bulla, L. A. Jr. 70B, 535
- Burgos, J. 69B, 559
- Burlington, R. F. 68B, 431
- Burnett, J. W. 68C, 235; 69B, 529; 70B, 639
- Burrell, D. E. 70C, 71, 215
- Burt, J. R. 68B, 333; 69B, 127
- Busacker, G. P. 69B, 249
- Bushway, A. A. 68B, 245
- Bushway, R. J. 68B, 245
- Buss, E. G. 69B, 681
- Butler, E. J. 69C, 307
- Butterworth, P. E. 70B, 141
- Buznikov, G. A. 69C, 359
- Cabezas, J. A. 70B, 565
- Cabot, D. C. 68C, 127
- Cabot, M. C. 68B, 325
- Cafmeyer, N. 69B, 345
- Cain, H. 68C, 43
- Calabrese, L. 69C, 253
- Caligiuri, M. 70A, 359, 365, 371
- Caloianu-Iordachel, M. 70B, 147
- Calow, P. 69A, 443
- Calton, G. J. 68C, 235; 69B, 529; 70B, 635
- Carolei, A. 69C, 105; 70B, 775
- Cameron, J. S. 70C, 109

- Campbell, R. R. 68A, 653
 Camprodon, R. 70A, 309
 Caner, F. 70B, 493
 Canning, M. 69C, 169
 Cantalupo, G. 69B, 737
 Cantrill, R. C. 68B, 351, 351 377
 Caplow, M. 69B, 299
 Cardellini, P. 70B, 421
 Carder, D. A. 68A, 443
 Carlile, S. I. 70B, 753
 Carlsson, K-H. 69B, 715
 Carreras, J. 70B, 237, 247, 477
 Carroll, M. 70B, 319
 Carroll, R. G. 70C, 131
 Carvalho, V. C. O. 70B, 305
 Cary, G. 68A, 635
 Casabe, N. 68C, 255
 Casillas, E. 68A, 457
 Castanheira, E. B. 68B, 467
 Castille, F. L. Jr. 68A, 75, 677; 70A, 47, 519, 525
 Catapane, E. J. 69C, 25
 Cattieu, K. 70B, 779, 783, 787
 Causby, L. A. 69C, 367
 Cawthray, M. 69C, 149
 Cazzulo, J. J. 70B, 463
 Cerbo, R. 69C, 105
 Cerbon, J. 69A, 487; 69B, 487
 Chad, J. E. 68C, 35; 69C, 61
 Chadwick, A. 68A, 61
 Chaffee, R. R. J. 70B, 601
 Chaix, J. C. 69B, 701, 709
 Chambers, J. E. 69C, 109
 Chan, D. K. O. 68B, 113
 Chang, E. S. 70A, 239
 Chapman, D. C. 70B, 93
 Charet, P. 70B, 133
 Charnock, J. S. 69B, 169
 Chase, R. 70A, 149
 Chatagner, F. 69A, 571
 Chausseaud, L. F. 69C, 165
 Chavez, R. 70B, 447
 Chavin, W. 69B, 249
 Chebotareva, M. A. 68B, 135
 Chefurka, W. 69B, 361, 371,
 Chelomin, V. P. 69B, 599
 Chen, B-Y. 68B, 497
 Chernilovskaya, P. E. 69C, 359
 Chi, C-W. 70A, 547
 Chihal, D. M. 69C, 145
 Childs, M. 70B, 615
 Chippendale, G. M. 70B, 759
 Chirkovskaya, E. V. 68B, 139
 Chitwood, D. J. 69B, 115
 Chmurzynska, W. 70C, 223
 Cho, B. H. S. 68B, 19
 Chomicka, L. 70A, 161
 Choong, K. Y. 70A, 485
 Chovan, J. P. 69C, 149
 Christodoulou, C. 69B, 55
 Christoffersen, G. R. J. 68C, 243; 68A, 467, 611
 Chu, S. H. 68C, 229
 Cioni, M. 70B, 1
 Cirne, B. R. 69A, 219
 Clagett, C. O. 69B, 681
 Clapperton, J. L. 68A, 281
 Clark, M. G. 69B, 775
 Clarke, W. P. 69A, 479
 Claussen, D. L. 69A, 23
 Cleeve, H. J. W. 69A, 675
 Clegg, R. A. 69B, 585
 Clemens, E. T. 69A, 543
 Cmelik, S. H. W. 70B, 457
 Cobror, O. 69B, 687
 Cochran, D. G. 70A, 205
 Coenen-Staß, D. 70A, 405
 Coghill, D. R. 68B, 579
 Coglianese, M. 68A, 451
 Cohen, A. C. 69A, 165
 Cohen, E. 69B, 29
 Cohen, J. L. 69A, 165
 Cohen, T. 69B, 639, 647
 Collatz, K-G. 68A, 571
 Collins, A. C. 69C, 199
 Collins, B. 68A, 635
 Collins, J. F. 70C, 91
 Colton, S. W. VI. 69B, 75
 Combs, G. F. Jr. 69C, 331
 Connock, M. 68B, 151
 Connolly, J. G. 69C, 265, 281
 Connolly, R. J. 68A, 269
 Cook, L. L. 70C, 273
 Cooper, A. J. L. 69B, 137
 Cooper, E. L. 68A, 681
 Corbin, K. W. 69B, 629
 Corfield, G. C. 69B, 877
 Cornillon, B. 69B, 231
 Cornillot, P. 69A, 59
 Corso, C. R. 69B, 901
 Costa, E. M. 69B, 633
 Costantini, S. 69C, 253
 Costlow, J. D. 68A, 91
 Cottrell, G. A. 70C, 103
 Coulson, R. A. 69A, 1
 Courtice, G. P. 68A, 429, 437; 69A, 805
 Couturier-Bhaud, Y. 70B, 571
 Cowan, F. B. M. 68A, 55
 Cowey, C. B. 68B, 147
 Coyer, P. E. 68A, 579
 Crabtree, R. L. 70A, 165
 Crespi, M. 68C, 161
 Crews, D. 70A, 115
 Crichton, E. G. 70A, 387
 Crimmins, D. L. 69B, 35
 Croft, S. L. 68C, 95
 Crowe, J. H. 69A, 423
 Crowe, L. M. 69A, 423
 Cruijssen, P. M. J. M. 68C, 151
 Crutcher, K. A. 70C, 273

- Cruz, W. J. 69C, 117
Csaba, G. 68C, 251
Cudey, G. 69A, 705
Cunningham-Paparo, K. 69C, 137
Curley, W. H. 68B, 1
Czarnecki, C. M. 69C, 149
Czeczuga, B. 68B, 339; 69B, 611, 885; 70B, 665

Dabrowska, H. 69A, 99
Dabrowski, K. 69A, 99
Dahlman, D. L. 70B, 639
Dahm, K. H. 68B, 521; 69B, 617
Daily, C. S. 68A, 349
Dain, J. A. 69B, 337
Dales, R. P. 70A, 111
Dalton, T. 69A, 211
Damianakis, H. 70B, 289
Dangott, L. J. 70B, 549
Daniel, E. 70B, 115, 815
Daniel, V. 70B, 815
Daniels, K. A. 68A, 237
Darley-USmar, V. M. 68B, 445
Daroogheh, H. 68B, 593
da Silva, J. 70A, 265
da Silva Passos, G. A. Jr. 68B, 377; 70B, 825
Dauca, M. 69B, 15
Dauncey, M. J. 69B, 69
Davant, N. 69B, 829
Davergne, M. 70A, 265
Davis, F. M. 70A, 555
Davis, R. H. 68B, 575
Davuluri, S. P. 68B, 369; 69B, 329
Dawes, C. M. 68A, 399
Dawson, N. J. 69A, 43
Dawson, W. W. 68A, 443
Dave, G. 69C, 83
David, E. T. 69B, 213
Davidson, L. I. 70B, 535
Davies, J. I. 70B, 689
Davies, P. M. C. 69A, 113
Dean, J. M. 68A, 659
de Bianchi, A. D. 68B, 89
De Bortoli, M. 68B, 295
de Castrucci, A. M. L. 70C, 293
de Cazzulo, B. M. F. 70B, 463
De Costa, J. 70B, 331
de Courcelles, D. de C. 70B, 487
Decleir, W. 69B, 865
de Cruz, M. E. M. 70B, 313
de Frescheville, J. 70B, 657
Degen, A. A. 69A, 713
Degn, H. 69B, 809
de Jong, W. W. 69B, 593
De la Cruz, L. F. 70A, 649
DeLoach, J. R. 69B, 279
De Loof, A. 70B, 387
del Rio, P. M. 70A, 309
de Lucca, F. L. 68B, 377; 70B, 825
Demarne, Y. 68A, 361
Demorest, D. L. 69B, 157
Denbow, D. M. 68A, 87; 69A, 411
Denfors, I. 69C, 375
Denison, M. S. 69C, 109
De Pirro, R. 70B, 341
Desmeth, M. 68A, 641
de Sousa, M. B. C. 70C, 123
Dessauer, H. C. 68A, 67
DeVlaming, V. L. 70A, 69; 70C 281
de Vos, V. 70C, 289
de Zwaan, A. 70B, 35
Dhainaut, A. 70B, 493
Dhindsa, D. S. 69A, 279
Di Bello, C. 70B, 421
Dickson, G. W. 70A, 421
Didkowski, S. 68B, 505
Diefenbach, C. O. da C. 68A, 285
Di Giacomo, G. 70B, 153, 719
Dikeman, R. N. 68B, 259
Distler, M. H. W. 70A, 571
Djerassi, C. 68B, 281
Doherty, J. D. 69C, 185
Doherty, M. J. 68C, 221
Dominici, R. 70B, 341
Donadey, C. 70B, 69
Donahue, M. J. 69B, 693
Donaldson, K. 68A, 31
Doneen, B. A. 69A, 291
Doonan, S. 69B, 737, 747, 753, 761
Dornfeld, E. J. 69A, 777
Dotson, M. J. 68C, 229
Dougan, D. F. H. 70C, 277
Down, W. H. 69C, 165
Downe, A. E. R. 70B, 713
Downer, R. G. H. 70B, 795
Downing, D. T. 69B, 75
Doyle, M. J. 68C, 115
Drane, C. R. 68A, 107
Dratewka-Kos, E. 68B, 437
Drewes, C. D. 70A, 57
Drolet, G. 70B, 795
Dudai, Y. 69C, 387
Duffield, A. M. 70B, 619; 70C, 277
Duffield, P. H. 70C, 277
Duffield, R. M. 70B, 317
Duggan, R. T. 68A, 115
Duggan, P. F. 70B, 85
Duke, G. E. 68A, 237; 70A, 179
Duncan, C. J. 69A, 329; 70A, 261
Dunkelberger, D. G. 68A, 659
Dupe-Godet, M. 69A, 31,

- 717
Dutrieu, J. 68B, 95
Dziegielewska, K. M. 68B, 307
Eastin, W. C. Jr. 68C, 103
Echetebu, C. O. 70B, 359
Economidis, P. S. 70B, 289
Edens, F. W. 68A, 87; 69A, 411
Edjehadi, M. 68B, 555
Edson, M. S. 69B, 353
Edwards, B. A. 68A, 31
Edwards, J. S. 70C, 159
Eguchi, Y. 69C, 39
Elander, M. 68B, 71
Elcombe, C. R. 69C, 219
Eliassen, E. E. 69C, 157
Ellerton, H. D. 70A, 91
Ellis, L. S. 68B, 397
Ellis, M. J. 70A, 587
Elo, H. A. 68A, 323
El-Salhy, M. 69B, 873
Elsayed, E. A. 69C, 157
Elyakov, Y. B. 68B, 481
Elyakova, L. A. 69B, 905
Emmanuel, B. 68B, 155, 159, 547, 551, 555; 70A, 79
Endahl, G. 68B, 245
Engebretson, Jo. A. 68A, 523
Engel, J. C. 70B, 463
Enoki, Y. 68B, 275
Erasmus, T. 69A, 169
Erkert, H. G. 68A, 383
Esteller, A. 68A, 211; 69A, 341
Etches, R. J. 68A, 653
Etzion, Z. 69A, 129
Eveland, L. K. 68B, 111
Fabregat, J. M. 70A, 309
Fabritius, A. 69B, 85
Falany, C. N. 68B, 119
Famme, P. 69A, 243
Farnararo, M. 68B, 599
Fathi, M. M. 69C, 395
Faulkner, A. 68A, 281
Favilli, F. 68B, 599
Fears, R. 69B, 493
Feder, M. E. 70A, 329, 497
Federspeil, M. J. 69B, 511
Feist, D. D. 69A, 697
Fell, R. D. 69A, 567
Fellows, F. C. I. 68B, 83
Feng, S. Y. 70A, 119
Fenical, W. 68B, 281
Fenwick, G. R. 69C, 307
Ferguson, A. 69B, 393
Fernandez, J. A. 69B, 559
Ferrando, A. 70A, 611
Ferreira, C. 68B, 89
Ferreira, M. F. A. 69B, 859
Ferrell, R. E. 69B, 23
Fetterer, R. H. 69B, 803
Feuer, L. 69C, 411
Feuerbacher, I. 70A, 247
Fichera, L. E. 70C, 265
Field, L. H. 68A, 99, 331
Figueiredo, E. A. 68B, 467
Figueroa, H. R. 70A, 69; 70C, 281
Fiksdahl, A. 68B, 345
Filho, W. G. 68B, 377; 70B, 825
Filsell, O. H. 69B, 775
Fingerman, M. 68C, 205; 70C, 27
Fingerman, S. W. 68C, 205
Fink, R. D. 70A, 285
Finn, A. F. Jr. 68C, 1
Fiori, A. M. C. 68A, 285
Fisher, D. Z. 68C, 231
Fitzpatrick, D. 68C, 231
Fitzpatrick, L. C. 69A, 499, 505; 70A, 141
Flack, I. H. 68A, 411; 70A, 257
Flavin, M. 69B, 387
Fleming, M. W. 69A, 337; 70B, 645
Fleming, T. P. 69C, 391
Fletcher, T. C. 69C, 325; 70C, 195
Flores, J. 69B, 487
Florey-Granger, B. 69A, 65
Flos, R. 68C, 161
Fluck, R. A. 70C, 129
Folk, G. E. Jr. 69B, 541
Foltmann, B. 68B, 9
Ford, W. C. L. 68B, 289
Fortin, L. 68C, 239; 70C, 297
Forster, M. E. 70C, 85
Foti, L. 70B, 623
Fouchereau-Peron, M. 68A, 417
Fowler, C. J. 68C, 145
Fowler, J. C. 68C, 99
Fraile, A. 70B, 331
Fraisie, M. 70A, 443
Frankel, J. S. 69B, 881; 70B, 643
Frazier, L. W. 68A, 511; 69A, 157
Frederiksen, K. 68A, 611
Freedland, R. A. 69B, 257
Freeman, B. M. 68A, 411; 70A, 223
Freidell, B. D. 70B, 811
Freminet, A. 69B, 655, 665; 70B, 427
Fremont, L. 69B, 99, 107
Fried, B. 68B, 111
Frieden, C. 69B, 517
Frieden, E. 68C, 115
Friedl, F. E. 68B, 119
Frot-Coutaz, J. 69B, 231

- Fuentes, N. 70C, 269
 Fuentes-Pardo, B. 68A, 477
 Fuhrman, F. A. 68C, 49;
 70B, 799
 Fuhrman, G. J. 70B, 799
 Fujita, Y. 69B, 673
 Fung, A. C. Y. 69A, 237, 461
 Furuyama, S. 69B, 673
 Fuzeau-Braesch, S. 68A, 289

 Gabbott, P. A. 68B, 383
 70B, 689
 Gade, G. 69B, 715; 70B, 271
 Gailite, B. 70A, 107
 Galli-Gallardo, S. M. 68A,
 123
 Gallivan, G. J. 69A, 579,
 809
 Ganhao, M. 70C, 289
 Garcia, J. L. 68C, 109;
 70B, 57
 Garcia, M. 68B, 457
 Garcia-Peregrin, E. 70B,
 219
 Gardner, C. R. 68C, 85
 Gargiulo, A. M. 69B, 869
 Garlough, S. J. 70B, 451
 Garreton, M. 68A, 123
 Gavilanes, F. G. 70B, 257
 Gavilanes, J. G. 70B, 257
 Gay, C. V. 70A, 173
 Gazzinelli, G. 68B, 467
 Gee, D. M. 70B, 295
 Gee, J. H. 68A, 337
 Genoino, I. T. 70B, 623
 Genot, G. 68C, 247
 Gentry, R. L. 68A, 81
 Geren, C. R. 68B, 561; 70B,
 349
 Gerencser, G. A. 68A, 225;
 69A, 15
 Gersten, D. M. 68B, 319
 Gertler, A. 69B, 639, 647

 Ghazarian, J. G. 69B, 183
 Chiasuddin, S. M. 68C, 15
 Gibbins, A. M. V. 70B, 731
 Gibson, R. A. 69B, 169
 Gielens, C. 69B, 455
 Giesecke, D. 69B, 85
 Giesy, J. P. 70A, 421
 Gillan, F. T. 69B, 843
 Gillett, M. P. T. 69B, 633;
 70B, 305, 313
 Giorgi, F. 69B, 121
 Giovannini, E. 70C, 209
 Girard, H. 69A, 437
 Giraud, M-M. 69A, 381
 Girgis, G. R. 68C, 213
 Giunta, C. 68B, 295
 Gleeson, M. 69A, 449
 Glidewell, J. R. 70A, 141
 Glitz, D. G. 69B, 353
 Glynn, B. P. 68B, 361
 Godette, G. O. 70B, 415
 Goeger, D. E. 70B, 93
 Goetz, F. Wm. 69A, 557
 Goffart, M. 70A, 341
 Goldspink, G. 69B, 577
 Golotin, V. G. 70B, 381
 Gomez, R. 70A, 619
 Gomez-Capilla, J. A. 69B, 479
 Gondko, R. 68B, 603; 69A, 637 285
 Gonenko, V. A. 70B, 381
 Goni, F. M. 69B, 9
 Gonzalez, J. B. 69B, 819
 Gonzalez-Pacanowska, D. 70B,
 219
 Gonzalez-Ros, J. M. 68B, 313
 Goode, J. A. 70A, 13
 Goodman, A. M. 68B, 421
 Goppel, R. 69A, 689
 Gordon, S. 69B, 257
 Gospe, S. M. Jr. 70C, 273
 Got, R. 69B, 231; 70B, 323
 Gotow, T. 69A, 745
 Gubern, M. 69B, 237

 Gourdoux, L. 68B, 95
 Gourlet, V. 70A, 265
 Grably, S. 69A, 683; 70B,
 587
 Gratz, R. K. 69A, 693
 Gray, W. R. 68B, 473
 Grazyna, J. 69C, 153
 Green, J. 69B, 493
 Greenaway, H. C. 69A, 329
 Greenberg, M. J. 69A, 641;
 70C, 103, 229
 Greenwood, N. M. 69C,
 307
 Greven, H. 70A, 563
 Griffith, R. W. 68A, 123
 Grima, M. 69A, 437
 Grimelius, L. 69B, 873
 Grimmond, H. E. 69B,
 303
 Goenewald, J. V. 69A,
 567
 Groscolas, R. 70A, 191
 Grossman, Y. 68A, 487
 Grzelakowska-Sztabert, B.
 70C, 223
 Guary, J. C. 68A, 423
 Guchhait, R. B. 69C, 227
 Guedes, L. M. L. A. 68A,

 Guixe, V. 70B, 225
 Guppy, M. 69B, 1
 Gustafsson, I-B. 69B, 873
 Gutman, D. H. 69A, 291
 Guyetant, R. 69A, 705

 Hack, M. H. 68B, 267
 Haffner, B. 68B, 57
 Haines, H. B. 68A, 349
 Hall, J. E. 68B, 521; 69B,
 617, 791
 Hall, J. M. 69B, 295
 Hall, R. E. 70B, 353;
 70C, 59

- Hall, T.R. 70A, 69; 70C, 281
- Hamias, M. J. 69A, 149
- Han, S-J. 70A, 115
- Hance, A. J. 70A, 359, 365, 371
- Hanegan, J. L. 68C, 181
- Hannah, G. S. 70A, 157
- Hanninen, O. 68C, 121; 69C, 259; 70C, 149
- Hansell, H. 69A, 783
- Hansen, H. 70B, 515
- Hansen, J. S. 68B, 101
- Hanumante, M. M. 68C, 205; 70C, 27
- Harder, J. D. 69A, 337; 70B, 645
- Hardy, J. L. 69C, 117
- Haresign, T. W. 69A, 603
- Haritos, A. A. 68B, 359
- Haro, A. 68C, 109; 70B, 57
- Harri, M. 70C, 149
- Harri, M. N. E. 69C, 371
- Harris, B. G. 69B, 693
- Harris, B. W. 70A, 491
- Harris, M. P. 68C, 127
- Hartman, K. R. 68C, 235
- Hartmann, P. E. 70A, 13
- Hartner, W. C. 69A, 479
- Hashimura, S. 69A, 745
- Hasler, B. 70B, 807
- Hasley, J. H. Jr. 68A, 579
- Hasselrot, B. 69C, 83
- Hasumi, T. 68A, 9
- Hattingh, J. 68A, 519; 70C, 289
- Hayakawa, M. 70C, 35
- Hayes, J. D. 68B, 579
- Hazard, E. S. 70A, 9
- Hazevoet, M. 69A, 225, 709
- Head, E. J. H. 68B, 383
- Heath, T. 68A, 495
- Hedin, P. A. 68A, 261
- Hegarty, P. V. J. 69A, 161
- Heizer, W. D. 69B, 299
- de la Houssaye, B. A. 69B, 693
- Helmy, F. M. 68B, 267
- Henderson, R. J. 69C, 31
- Hendrix, J. P. Jr. 69A, 641
- Henning, M. 70C, 117, 249
- Henze, M. 69B, 91
- Hepburn, H. R. 68B, 351, 351
- Herberts, C. 70B, 657
- Herbert, J. D. 69A, 1; 69B, 499
- Hermann, A. 69C, 191
- Hernandez, M. C. 70B, 775
- Herold, J. P. 69A, 705
- Herp, A. 69B, 605
- Herreid, C. F. II, 68A, 673
- Herrera, E. 70A, 309
- Herrera, F. C. 68A, 373; 70A, 27
- Herrnkind, W. F. 69A, 523
- Hess, S. D. 69C, 13
- Heusner, A. A. 69A, 363
- Hewitt, S. 68A, 405; 68B, 491; 69A, 297
- Heyneman, R. 69B, 865
- Higgins, W. J. 68A, 43; 69C, 13
- Higuera, M. de la, 69A, 583
- Hilbig, R. 68B, 301
- Hilfiker, M. L. 68A, 43
- Hill, D. 68B, 561
- Hillman, G. R. 68C, 229
- Hillman, S. S. 69A, 141, 605
- Hilmy, A. M. 68C, 69, 195, 199
- Hilton, F. K. 70A, 491
- Hirai, Y. 70B, 435
- Hird, F. J. R. 68B, 83, 369; 69B, 329
- Hiripi, L. 69C, 407
- Hiroki, K. 70A, 627
- Hissa, R. 69C, 213
- Hiwada, K. 68B, 485
- Ho, S-M. 68B, 113
- Hodgkiss, J. P. 70A, 73
- Hoffman, R. A. 69A, 153
- Hoffmann, A. 70C, 123
- Hoffmann, K. H. 70B, 77
- Hohtola, E. 69C, 213
- Holmes, D. S. 69B, 303
- Holmgren, S. 69C, 141, 403; 70C, 65
- Holtzer, A. 69B, 35
- Homewood, C. A. 68C, 95
- Horwitz, J. 68B, 101
- Hotte, C. E. 68A, 269
- Houdry, J. 69B, 15
- Houk, E. J. 69C, 117
- House, G. J. 69B, 903
- Houseman, J. G. 70B, 713
- Houston, A. H. 70A, 315, 431
- Howard, B. 70A, 559
- Howard, R. J. 70B, 767
- Howe, N. R. 68B, 25, 221
- Huang, L. L. 68B, 107
- Hubbard, K. W. 70A, 491
- Hubert, E. V. 68C, 9
- Huddart, H. 68A, 625
- Hudson, R. A. 69B, 345
- Hugon, J. S. 69B, 15
- Huldt, G. 68B, 71
- Hulet, W. H. 69A, 641
- Hunt, S. 68B, 535
- Hurwitz, S. 68B, 401; 70A, 223
- Hutchison, V. H. 69A, 693; 70A, 9
- Huybrechts, R. 70B, 387
- Ichi, T. 70A, 97
- Ichimura, Y. 69C, 171
- Igarashi, S. J. 69B, 157
- Ikeda, M. 68A, 589
- Illera, M. 70A, 649

- Imperia, P. S. 68B, 111
Ingram, D. L. 69B, 69
Innocenti, S. B. 69B, 121
Insler, G. D. 70B, 697
Ireland, M. P. 68A, 37
Ishida, M. 70C, 49
Ishii, N. 70A, 275
Ishikawa, H. 68B, 377
Ishikawa, T. 70C, 171
Isom, L. L. 69B, 35
Isseroff, H. 70A, 547
Ivanovici, A. M. 70A, 17
Iwata, K. 68A, 589
Iwayama, Y. 70C, 171
- Jackson, L. L. 70B, 441
Jacobs, G. 70B, 69
James, P. S. 69A, 231
James, V. A. 70C, 91
Jameson, E. W. Jr. 69A, 363
Jansen, M. 70C, 285
Janssens, P. A. 70B, 105
Jarrett, I. G. 69B, 775
Jenkins, K. D. 69C, 205
Jenks, B. G. 69C, 75
Jenness, R. 70A, 375
Jensen, A. L. 68B, 9
Jensen, G. S. 70B, 161
Jimenez, R. 69A, 341
Joergensen, L. 69B, 769
Johansen, J. 68A, 611
Johansen, K. 68A, 159
Johansson, P. 70C, 117, 249
Johns, R. B. 69B, 843
Johnson, C. 70A, 529
Johnson, D. A. 70B, 725
Johnson, D. B. 68B, 361;
69C, 169
Johnson, R. M. 69A, 205
Jokumsen, A. 70A, 91
Jones, C. S. 69B, 837
Jones, J. W. 69A, 153
Jones, M. B. 70A, 551
- Jones, T. H. 69B, 903
Jones, W. R. 68A, 501
Jones, G. D. 68B, 445
Jonkel, C. 69A, 121
Joosse, J. 70B, 45
Jost, J. 68C, 43
Jowett, P. E. 69C, 399
Juel, C. 68C, 21
Juhlin-Dannfelt, A. C. 69A,
567
Junqua, S. 69B, 445
Jurs, K. 68B, 527; 70B, 829
- Kabankin, A. S. 69C, 359
Kabayo, J. P. 69A, 325
Kadous, A. A. 68C, 15
Kaduce, T. L. 69B, 541
Kaila, K. 69C, 235
Kaitaranta, J. K. 69B, 725
Kakuta, I. 68A, 589
Kallapur, V. L. 68B, 425
Kaloustian, K. V. 68A, 669;
70B, 157
Kamiguti, A. S. 69A, 739
Kamijo, K. 69C, 179
Kaminski, M. 68B, 505
Kamis, A. B. 70A, 45
Kanno, Y. 69C, 171
Kao, V. 70B, 767
Kaplan, H. B. 68C, 55
Kapp, O. H. 70B, 165
Karakousis, J. 70B, 289
Karasawa, Y. 68A, 265; 70A,
591
Karlsson, B. W. 69B, 201
Karmazsin, L. 69B, 637
Kasschau, M. R. 70A, 631
Kass-Simon, G. 68A, 217
Katsoris, P. P. 69B, 55
Kavaliers, M. 68A, 127
Kawamura, T. 69A, 187
Kayar, S. R. 69A, 487
Keenan, T. W. 68B, 245
- Keller, N. E. 70C, 131
Kellogg, T. F. 70B, 345
Kelly, L. E. 69B, 61
Keough, E. M. 68A, 269
Keough, K. M. W. 69B,
797
Kerkut, G. A. 68C, 35;
69C, 61, 265, 275, 281,
395
Kesbeke, F. 69B, 413;
70B, 499
Khan, M. A. Q. 68C, 221;
70C, 77
Khasina, E. I. 70B, 381
Khatchadourian, C. 68B,
415
Khatim, M. M. Sir El.
69A, 429
Khirabadi, B. S. 68B,
319
Kimoto, S. 68A, 589
King, F. D. 70B, 409
Kinney, M. 68A, 501
Kirby, A. C. 70A, 583
Klarman, A. 70B, 115
Klein, P. J. 70B, 469
Kleinhaus, A. L. 70A, 37
Klungsøyr, L. 68B, 461
Knapp, E. 68A, 187
Knight, C. H. 70A, 427
Knight, G. C. 68C, 127
Knudsen, J. 70B, 515
Kobayashi, M. 69A, 679;
70A, 381
Kobayashi, S. 69C, 179
Kobayashi, T. 69B, 387
Koch, R. A. 70C, 229
Koechlin, N. 68A, 391,
663; 69A, 349
Koenig, M. L. 70A, 631
Koivusaari, U. 68C, 121;
69C, 259; 70C, 149
Kokke, W. C. M. C. 68B,

- 281
Kokubu, T. 68B, 485
Koler, R. D. 69A, 279
Kondo, M. 70B, 487
Konecka, A. M. 69B, 307
Kono, Y. 70C, 35
Korppaibool, S. 69A, 137
Kosaka, I. 68A, 9
Koss, T. F. 70A, 431
Krassner, S. M. 69A, 65
Krebs, H. A. 70B, 385
Krebs, J. R. 70B, 385
Krembel, J. 70B, 493
Kreps, E. M. 68B, 135, 363
Kreuzer, F. 69A, 225, 709
Kristensen, B. 69B, 809
Kristensen, B. I. 68A, 611
Krogsgaard-Larsen, P. 69C, 7
Krusberg, L. R. 69B, 115
Krutzsch, P. H. 70A, 387
Krywuta, S. 68B, 339; 70B, 665
Kubitz, A. 68B, 437
Kuiper, H. A. 69C, 253
Kulomaa, M. S. 68A, 323
Kulzer, E. 69A, 689
Kuramoto, M. 69A, 771
Kuraoka, S. 69A, 249
Kurian, P. 68B, 319
Kushiak, R. 70A, 107

Labeaga, L. 70A, 615
Lacko, A. G. 70B, 753
Lagercrantz, C. 69C, 375
Lahlou, B. 69B, 425
Lai, P. C. W. 68B, 107
Lakatos, L. 69B, 637
Lal, D. M. 69B, 529; 70B, 635
Lambremont, E. N. 68B, 259
Laming, P. R. 68A, 515; 69A, 537
Landau, M. A. 69C, 359
Lane, J. M. 70A, 603, 607
Lang, F. 68A, 49
Langeveld, J. P. M. 68B, 31
Langley, P. A. 69A, 325
Langslow, D. R. 69B, 479
Laplaud, P. M. 68B, 125
Larsson, T. 69C, 375
Laskowska-Bozek, H. 70C, 223 345; 69B, 621, 625
Lassegues, M. 69B, 829
Latif, N. B. 70A, 45
Lauber, J. K. 69B, 157
Lauter, C. J. 69B, 195; 69C, 185
Lavigne, D. M. 70B, 795
Law, F. C. P. 69C, 19
Lawrence, A. L. 68A, 75, 677; 70A, 47, 519, 525
Lawrence, J. M. 70A, 603, 607; 70B, 653
Lax, E. R. 70B, 807
Lazarov, Y. 69A, 305; 70A, 643
Leatherland, J. F. 68A, 653; 69A, 701; 69B, 311; 69C, 345; 70A, 575
Leaver, J. 68B, 333; 69B, 127
LeBoeuf, R. D. 68B, 25, 221
Lech, J. J. 69C, 219
Lechner, A. J. 70A, 321
Lecourtier, M. J. 68A, 361
Ledley, R. S. 68B, 319
Ledoux, J.-M. 69C, 353
Lee, C. E. 70B, 185
Lee, J. 70A, 595
Lee, R. E. Jr. 70A, 579
Le Gal, Y. 68A, 417
Leger, C. 69B, 99, 107
Lema, M. J. 69B, 287
Lemercerre, C. 70A, 265
Lemonnier, M. 69B, 445
Lennon, J. F. 68B, 65
Letoublon, R. 69B, 231
Levitina, M. V. 68B, 135
Levy, Y. 69A, 713
Lewis, J. H. 68A, 355
Lewiston, N. 70A, 359, 365, 371
Ley, H. E. 70B, 457
Leyko, W. 68B, 357
Liaaen-Jensen, S. 68B, 621
Lidman, U. 70C, 297
Lila, L. 69C, 153
Lin, A. L. 70B, 367
Lin, W.-L. 70B, 627
Linares, A. 70B, 219
Lind, J. 68B, 71
Lindholm, J. S. 69B, 75
Lindig, O. H. 68A, 261
Lindley, B. D. 70A, 583
Lindsay, K. S. 70A, 13
Lindstrom-Seppa, P. 68C, 121; 69C, 259
Lindstrom, L. 70A, 217
Liotti, F. S. 70C, 209
Lisbona, F. 69A, 341
Livingstone, D. R. 69B, 147; 70B, 35
Lock, R. A. C. 68C, 151; 69C, 67
Lockshin, A. A. 68C, 1
Lockwood, J. 70B, 447
Lönblad, P. 68B, 9
Lontie, R. 69B, 455
Lopez, M. A. 68A, 211; 68B, 457; 69A, 341
Lopez, M. R. 68B, 141
Lorenze, A. 69A, 689
Lorscheider, F. L. 68B, 107
Loughton, B. G. 68A, 25
Loveridge, J. P. 69A, 51
Lucier, G. W. 68B, 1
Luft, A. J. 68B, 107
Lukey, T. 69B, 547

- Lumb, R. H. 68B, 325
 Lundblad, G. 68B, 71
 Lupiani, M. J. 68A, 211
 McCann, F. V. 70C, 185
 McClanahan, L. Jr. 68A, 167
 McCommas, S. A. 68B, 25, 221
 McConaughy, J. R. 68A, 91
 McConnell, L. A. 70B, 279
 McCormick, J. M. 69B, 75
 McCormick, S. A. 68A, 605
 McCrorie, P. 70B, 319
 McDonough, P. M. 69A, 273
 McEdward, L. R. 70B, 653
 McFarlane, J. E. 70A, 571
 McGettigan, S. 69C, 169
 McGuinness, E. T. 69B, 909
 McKeag, M. 70B, 541
 McKenzie, H. A. 68B, 225
 McKeown, B. A. 69C, 125
 McLean, R. M. 69B, 329
 McMahon, R. F. 70C, 139
 McMurchie, E. J. 69B, 169
 McNamara, J. C. 70A, 627
 McRae, M. A. 68C, 181
 Macarulla, J. M. 70A, 615
 Maccioni, R. B. 70B, 375
 Macey, D. J. 69A, 815
 MacFarlane, R. B. 68B, 193
 Mackie, I. M. 68B, 173
 Maclean, G. S. 69A, 373
 Macmillan, D. L. 68A, 331
 Mac Nally, R. C. 69A, 731
 Madariaga, M. A. 68B, 313
 Madge, D. S. 70A, 439
 Magnuson, N. S. 70B, 279
 Mahany, T. 68B, 319
 Majewska, H. 69B, 307
 Major, C. W. 68C, 63
 Makarieva, T. N. 68B, 481
 Malcolm, J. L. 69A, 43
 Malinowski, C. E. 69B, 605
 Maloiy, G. M. O. 69A, 543
 Maltz, E. 70A, 145
 Mandrup-Poulsen, J. 70A, 127
 Mangeat, P. 69B, 701
 Manning, A. C. C. 68A, 411
 Mao, S.-H. 68B, 497
 Maoz, A. 68B, 401
 Marcus, E. 70C, 289
 Maresca, A. 70A, 217
 Margotta, V. 69C, 105; 70B, 775
 Marinetti, G. V. 70B, 779, 783, 787
 Markezich, A. L. 69A, 759
 Marks, D. H. 68A, 60A, 681
 Marley, P. B. 70B, 619
 Marmaras, V. J. 69B, 55
 Marques, L. A. C. 69C, 161
 Marsden, J. R. 68C, 43
 Marshall, J. 68B, 491
 Martel, M.-B. 70B, 323
 Martens, G. J. M. 69C, 75
 Martin, K. J. 70A, 529
 Martin-Dudoignon, M. 70B, 257
 Martinez, I. R. 68B, 141; 69B, 851; 70B, 851
 Martin-Garmendia, M. 70A, 619
 Martini, F. 69B, 737, 753
 Martino, R. 70B, 421
 Martins, I. S. S. 69A, 739
 Marusic, E. T. 68A, 123
 Marvaldi, J. 69B, 701, 709
 Masaracchia, R. A. 69B, 693
 Mashimo, K. 69C, 113
 Mason, M. 70B, 451
 Mason, S. L. 69B, 265
 Mason, W. H. 68A, 523
 Mataix, F. J. 69A, 583; 70A, 649
 Matkovics, B. 69B, 637
 Matlock, D. B. 69A, 777
 Matsumoto, J. J. 68B, 389; 70B, 791
 Matsumura, F. 68C, 15
 Matsuoka, N. 70B, 739
 Mattheeuws, D. 69B, 223
 Maurel, D. 68B, 125
 Maxison, L. R. 68B, 397
 Mayer, R. T. 69B, 279
 Mearow, K. M. 70A, 315
 Medeiros, L. G. 70A, 83
 Medeiros, L. O. 70A, 83
 Medolago-Albani, L. 70B, 775
 Megias, A. 70B, 53
 Mehler, L. 68A, 571
 Meier, E. 68C, 231
 Meinardus, G. 70B, 271
 Meister, A. 69B, 137
 Melancon, M. J. 69C, 219
 Mellado, W. 70B, 375
 Melling, J. 69B, 797
 Menard, D. 69B, 15
 Mendes, E. G. 68A, 241; 69A, 595; 69C, 161
 Menke, A. S. 70B, 317
 Meredith, F. L. 69A, 599
 Mermel, L. 69C, 227
 Metcalfe, J. 69A, 279
 Mezquita, J. 70B, 237, 247
 Michalak, W. 69A, 637
 Miki, W. 68B, 517
 Milhaud, G. 68A, 417
 Milicua, J. C. G. 69B, 9
 Miller, K. 69A, 693
 Miller, M. S. 69B, 681
 Mills, G. L. 69B, 553
 Mills, J. 69A, 789
 Mircheva, D. 69A, 305
 Miura, K. 69A, 405
 Mix, M. C. 70C, 13
 Miyagawa, T. 69C, 39
 Moccia, R. D. 69A, 701

- Mochizuki, Y. 70B, 745
Moen, K. A. 68B, 461; 69C, 157
Moldeus, P. 70B, 631
Mollenhauer, H. H. 69B, 279
Molokova, L. P. 70B, 381
Monaco, F. 70B, 341
Monovoisin, J.-L. 70A, 265
Moore, F. L. 70A, 115
Moran, J. B. 68B, 561; 70B, 349
Moreau, R. 68B, 95; 69A, 79
Moreau-Lebbe, A. 70A, 341
Moreira, G. S. 70A, 627
Moreira, P. S. 70A, 627
Morello, A. M. 69B, 291
Morfin, R. 68C, 247
Morgan, D. N. 69C, 145
Morishima, I. 68B, 567
Morita, T. 70B, 527
Morley, M. 68A, 61
Mormede, P. 69C, 353
Morris, J. 68B, 183
Morris, R. W. 70A, 623
Morrison, P. E. 68B, 425
Morrison, P. R. 69A, 697
Morrisey, M. T. 70B, 631
Morrisey, R. E. 69B, 133; 70C, 159
Morrow, C. D. 69A, 65
Morrow, G. 69A, 537
Morton, D. 69A, 511
Mosher, H. S. 70B, 799
Motokawa, T. 70C, 41
Moukhtar, M. S. 68A, 417
Mugiya, Y. 68A, 659; 70A, 97
Mukhtar, H. 70C, 285
Muller, V. 68B, 225
Mullin, R. J. 70A, 375
Mulvey, M. 70A, 119
Muneoka, Y. 69C, 171
Municio, A. M. 70B, 53, 57, 401
Murakami, H. 70C, 171
Muramatsu, T. 70B, 527
Muramoto, A. 69A, 197
Murat, J. C. 68A, 149; 70A, 443
Musgrave, K. O. 69A, 161
Mykles, D. L. 69A, 317
Nadakavukaren, M. J. 70B, 627
Nagai, K.-I. 68A, 95
Nagai, T. 68A, 9
Nahas, L. 69A, 739
Nahrstedt, A. 68B, 575
Nakagawa, S. 69A, 591
Nakatani, I. 68A, 549
Nambu, Z. 69A, 285
Nardi, G. 68B, 415
Nash, W. W. 69C, 205
Nasurlaeva, I. 70A, 107
Neame, K. D. 68C, 95
Neeman, I. 69B, 529; 70B, 635
Neff, J. M. 68A, 451
Negrel, R. 68A, 423
Nelson, R. J. 69A, 145
Nemcsok, J. 69C, 407
Nestler, C. 69C, 53
Neukranz, R. K. 70B, 639
Neumann, D. A. 69A, 467
Newkirk, R. F. 70C, 177
Nicholls, D. M. 68C, 213
Nichols, P. D. 69B, 843
Nicholson, J. K. 68C, 91
Nicolas, G. 68A, 289
Nicolosi, R. J. 69B, 291
Niemela, A. O. 68A, 323
Nikinmaa, M. 69A, 767; 70A, 133
Nilsson, S. 69C, 141; 70C, 65
Nimmo, I. A. 68B, 579
Nishino, C. 70A, 229
Nixon, M. 68B, 535
Noaillac-Depeyre, J. 70A, 443
Noel, P. Y. 70B, 571
Noltmann, E. A. 70B, 295
Nonnotte, G. 70A, 541
Norqvist, A. 68C, 145
Nunamaker, R. A. 70B, 607
Nyholm, K. 70A, 133
Oakley, J. K. 68A, 331
Ochiai, T. 68B, 275; 70A, 479
O'Connor, J. M. 69A, 467
O'Guinn, G. 69C, 169
Odierna, G. 69B, 687
Oelofsen, W. 69A, 567
Oguro, C. 68A, 95
Ohkawa, K. 69A, 405
Ohsawa, W. 69A, 591
Øien, N. 69C, 243
Okazaki, K. 70A, 285
Okhuysen-Young, C. 70B, 345
Okotore, R. O. 70B, 469
Olcese, J. M. 70A, 69; 70C, 281
Oliveira, M. M. 70B, 327
Olivier, D. 68B, 95
Olleros, T. 70B, 53
Olmo, E. 69B, 687
Omand, E. 70A, 469
Opdyke, D. F. 70C, 131
Orchard, I. 68A, 25; 70C, 201
Oreland, L. 68C, 145
Øritsland, N. A. 69A, 121, 177
Orlacchio, A. 69B, 869
Ortmann, M. 70B, 469
Ortonne, J. P. 68B, 415
Osman, A. M. 69A, 429
Ostrowski-Meissner, H.

- T. 70A, 1
- Otsu, T. 68A, 549
- Ottolenghi, C. 68A, 313
- Ozols, A. 70A, 107
- Pacheco, M. F. 68C, 99
- Paino, C. 70A, 615
- Palladini, G. 69C, 105; 70B, 775
- Pallas, S. L. 70A, 57
- Palmork, K. H. 70C, 21
- Palou, A. 70A, 611
- Palumbo, A. 68B, 415
- Pang, P. K. T. 68A, 123
- Paparo, A. A. 69A, 417; 69C, 137
- Park, C. S. 68B, 329
- Park, J. H. Y. 69A, 161
- Parke, D. V. 69B, 493
- Parker, D. S. 69B, 837
- Parker, R. S. 70B, 631
- Parmenter, R. R. 70A, 235
- Partridge, L. D. 68C, 99
- Pascolini, R. 69B, 869
- Paterson, J. Y. F. 69A, 231
- Paton, B. C. 70B, 105
- Patterson, G. W. 68B, 177; 69B, 175
- Paul, R. D. 70A, 329
- Payen, G. G. 69A, 571
- Peacock, A. J. 68C, 29; 69A, 133
- Peaker, M. 70A, 427
- Pearce, F. L. 69B, 761
- Pearson, A. W. 69C, 307
- Pedemonte, C. H. 70B, 559
- Penefsky, Z. J. 69A, 649, 659; 70C, 185
- Penney, R. K. 69B, 577
- Pepys, M. B. 69C, 325
- Peres, G. 69A, 455
- Pernas, R. V. 69B, 851; 70B, 125
- Perramon, A. 70A, 265
- Perret, G. 69A, 59
- Perry, A. S. 70C, 97
- Perry, G. J. 69B, 843
- Perryman, L. E. 70B, 279
- Peters, B. H. 70A, 397
- Petersen, D. R. 69C, 199
- Petersen, I. M. 69B, 47
- Pettit, M. J. 68A, 507
- Perzanowska, A. 69B, 79
- Peyraud, C. 68C, 247
- Phillips, R. W. 69B, 775
- Pholpramool, C. 69A, 137
- Pickford, G. E. 70A, 157
- Piek, T. 68C, 75
- Piery, Y. 69A, 683; 70B, 587
- Pihet, A. 68A, 361
- Pilch, S. M. 69C, 331
- Pilkington, J. B. 69A, 587
- Pinzauti, G. 70B, 1
- Piot, E. 70B, 487
- Pivorun, E. B. 70A, 435
- Plaghki, L. 70A, 341
- Plaza, M. 68A, 373; 70A, 27
- Plisetskaya, E. M. 68A, 149
- Pochon-Masson, J. 69A, 571
- Poe, W. E. 68A, 261
- Polonsky, J. 68A, 391
- Poluhowich, J. J. 70A, 587
- Pomazanskaya, L. F. 68B, 138
- Ponce, O. 68B, 251
- Pons, G. 70B, 247, 477
- Poor, B. W. 69C, 205
- Popeck, W. 70C, 135
- Portemer, C. 69A, 571
- Porter, P. B. 69B, 737, 747, 761
- Portet, R. 69B, 237; 70B, 193, 679
- Porthe-Nibelle, J. 69B, 425
- Potter, I. C. 69A, 815
- Poupa, O. 70A, 217
- Powell, E. N. 70A, 631
- Prado, A. 69B, 9
- Prashad, D. N. 69A, 345
- Preaux, G. 69B, 455
- Price, D. A. 70C, 103
- Price, M. P. 68C, 115
- Price, N. R. 69C, 129
- Principato, G. B. 70C, 209
- Prins, H. W. 70C, 255
- Prinzinger, R. 69A, 689; 70A, 247
- Prota, G. 68B, 415
- Pryor, S. C. 69B, 23
- Publicover, S. J. 70A, 261
- Puviani, A. C. 68A, 313
- Quackenbush, L. S. 68A, 597; 69A, 523
- Quensen, J. M. 70B, 649
- Racioppi, J. V. 70B, 639
- Radojkovic, J. 70B, 225
- Ragghianti, M. 69B, 121
- Ragland, I. M. 70A, 33
- Rahmann, H. 68B, 301
- Railo, E. 69A, 767
- Rainer, S. F. 70A, 17
- Raison, J. K. 69B, 169
- Ralin, D. B. 68A, 175
- Ram, J. L. 68C, 133
- Rama, M. R. 68B, 141; 69B, 851; 70B, 125
- Ramli, J. B. 69C, 379
- Ramon, J. M. 70A, 309
- Ramsey, P. R. 69A, 517
- Ramwell, P. W. 68B, 319
- Randall, B. M. 69A, 169
- Randall, R. M. 69A, 169
- Raoelison, C. 69A, 79
- Rattner, B. A. 68C, 103
- Rattner, D. 69A, 713
- Raymont, J. E. G. 68B, 183

- Read, D. A. 69A, 443
 Reel, K. R. 68C, 49
 Reglero, A. 70B, 565
 Reider, E. 70A, 173
 Reiner, U. R. 70A, 83
 Reis, H. A. 69A, 219
 Reischl, E. 69B, 463
 Reiss, P. D. 69C, 13
 Rempeters, G. 69B, 91
 Renata, W. 69C, 153
 Renstøm, B. 69B, 621, 625
 Reynolds, J. 68A, 495
 Rhead, M. M. 69C, 399
 Ribeiro, L. P. 69B, 859
 Ribera, A. 68B, 313
 Richards, J. F. 69A, 511
 Richards, K. S. 69C, 391
 Richardson, F. D. 70B, 457
 Riddle, W. A. 69A, 759
 Ridgway, S. H. 68A, 443
 Riddle, W. A. 68A, 231; 69A, 493
 Ridlington, J. W. 70B, 93
 Riesenfeld, G. 70A, 223
 Rigal, A. 69A, 455
 Riley, R. T. 68A, 253; 70C, 13
 Rind, F. C. 68A, 99
 Ritchie, A. H. 68B, 173
 Riva, M. C. 68C, 161
 Robbins, M. E. C. 69A, 345
 Roberts, C. J. 69C, 7, 301; 70C, 91
 Roberts, L. 69B, 445
 Robertson, F. M. 70A, 653
 Robin, D. A. 70A, 359, 365, 371
 Robin, E. D. 70A, 359, 365, 371
 Roch, P. 69B, 829
 Roche, J. 70B, 341
 Rodger, J. C. 70B, 619
 Rodrigo, M. 70B, 565
 Rodrigues, M. I. 69A, 739
 Rodriguez, A. 70A, 191
 Roe, P. 69A, 423
 Roesijadi, G. 70C, 59
 Rogala, A. 68B, 603
 Rogers, C. 68B, 225
 Ronald, K. 69A, 121, 177, 579; 70A, 575, 595
 Root, T. M. 69A, 73
 Roseman, M. 70C, 269
 Rosner, H. 68B, 301
 Rotermund, A. J. Jr. 523
 Rothmund, E. 68A, 383
 Rounds, H. D. 69C, 293
 Royal, R. 68A, 501
 Rubiliani, C. 70B, 415
 Rubin, L. 69C, 383
 Rubio, V. I. 68A, 477
 Ruczkal-Pietrzak, E. 70A, 447
 Ruiz, A. M. 70B, 463
 Rush, W. R. 69B, 493
 Saarikoski, J. 69C, 235
 Sable-Amplis, R. 69B, 243
 Sage, H. 68B, 473
 Said, M. M. 68C, 69
 Saied, M. M. 68C, 195, 199
 Sakae, A. 70A, 591
 Sakaguchi, Y. 70B, 791
 Sakai, J. 68B, 389; 70B, 791
 Sakai, T. 69B, 673
 Sala, M. 70B, 421
 Salanki, J. 69C, 407
 Salem, N. Jr. 69B, 195; 69C, 185
 Salibian, A. 70C, 265
 Sallis, J. D. 70B, 541
 Salvatore, S. 70B, 521, 623
 Salvato, V. L. 70A, 321
 Sanchez, G. 70B, 447, 451
 Sanchez-Chiang, L. 68B, 251
 Sanchez-Muniz, F. J. 69A, 583
 Sancho, J. 69B, 479
 Sancho, M. J. 70A, 615
 Sand, O. 68B, 77; 69B, 435
 Sandness, K. 70A, 545
 Sanduja, R. 69B, 535
 Santoro, P. F. 69B, 337
 Santos, C. A. Z. dos, 69A, 595
 Saramies, E. 68C, 145
 Sarcione, E. J. 69B, 287
 Sargent, J. R. 69C, 31
 Sasayama, Y. 68A, 95
 Sato, T. 69A, 395
 Saunders, N. R. 68B, 307
 Savory, C. J. 70A, 179
 Scanes, C. G. 68A, 61
 Scardi, V. 70B, 521, 623
 Schaffer, S. W. 69C, 149
 Schatte, C. L. 68C, 175
 Schatzlein, F. C. 69A, 205
 Schegg, K. M. 68B, 585
 Scheilbing, R. E. 69A, 175
 Schevchenko, N. M. 69B, 905
 Schiller, C. M. 68B, 1; 70B, 209
 Schindelmeiser, J. 70A, 563
 Schinina, E. 69B, 753
 Schlaghecke, R. 70A, 53
 Schlenker, E. H. 68A, 673
 Schmeisser, E. T. 68A, 443
 Schmidt, J. A. 68A, 487
 Schottler, U. 68B, 41
 Schraer, H. 70A, 173
 Schram, A. C. 70B, 811
 Schriefers, H. 70B, 807
 Schulz, R. 70A, 53
 Sciuto, S. 70B, 611
 Scott, W. N. 69A, 649, 659
 Secchi, J. 69B, 709

- Seed, J. R. 68B, 521; 69B, 617, 791
Segura, E. L. 70B, 463
Sekiya, Y. 69C, 113
Selivonchick, D. P. 70B, 631
Sellers, J. C. 70A, 33
Selley, M. L. 70B, 619
Sellos, D. 68B, 49
Sendecki, W. 68C, 213
Senkbeil, E. G. 68B, 163; 69B, 781
Serzedello, A. 69B, 901
Seymour, E. A. 70A, 451
Shabana, M. B. 68C, 69, 195, 199
Shackleford, M. E. 70C, 77
Shamim, M. 70B, 317
Shapiro, C. J. 68A, 111
Sharkey, D. J. 70A, 173
Sharpe, A. 68B, 445
Shaw, D. C. 68B, 225
Sheehan, D. 69B, 737
Shelley, H. J. 70A, 87
Shelton, G. A. B. 70A, 397
Sherk, J. A. Jr. 69A, 467
Sheshukova, T. 70A, 107
Shiba, Y. 69C, 171
Shih, T. M. 70C, 129
Shimizu, M. 68A, 659
Shinozaki, H. 70C, 49
Shkolnik, A. 70A, 145
Shlom, J. M. 69B, 273
Shoaf, C. R. 69B, 299
Shochat, D. 68A, 67
Shug, A. L. 68B, 431
Shumway, S. E. 69A, 603; 70A, 551
Sibrian, A. M. K. 70B, 305
Sica, D. 70B, 153, 719
Sichel, G. 70B, 611
Siebenlist, K. R. 70C, 261
Siggens, K. W. 69B, 877
Signorini, G. 69B, 121
Sikes, C. S. 70A, 285
Sikorowski, P. P. 68A, 103, 527; 70B, 179
Silanikova, N. 70A, 145
Silveira, J. E. N. 69A, 219
Simkiss, K. 70A, 559
Simon, L. M. 70A, 371
Simonsen, L. 68A, 611
Sims, K. 70A, 533
Singer, S. S. 69B, 511
Singh, G. J. P. 69C, 313
Sinnamon, W. B. 70A, 435
Slade, C. T. 69A, 789
Slettengren, K. 68B, 71
Small, G. 68B, 151
Smiałowska, E. 69B, 79
Smidt, E. 68B, 9
Smit, G. L. 68A, 519
Smith, E. N. 69C, 367; 70A, 529, 533
Smith, G. M. 70C, 195
Smith, K. E. 69B, 213
Smith, L. 68A, 457; 70B, 579
Smith, M. W. 69A, 231
Smith, P. J. S. 70A, 103
Smith, R. C. 69B, 505
Smith, T. L. 70A, 567
Smolen, A. 69C, 199
Smolen, T. N. 69C, 199
Smullin, D. H. 70B, 263
Synders, F. F. 69B, 547
So, E. M. K. 69C, 19
Sobiech, K. A. 70A, 255
Sod-Moriah, U. A. 69A, 713
Sofłowska, M. 70C, 135
Soivio, A. 69A, 767; 70A, 133
Solbakken, J. E. 70C, 21
Solon, M. H. 68A, 217
Song, Ai-R. 68B, 397
Sonstegard, R. A. 69A, 701; 69C, 345
Sørensen, P. G. 69C, 45
Sorrel, F. Y. 68A, 501
Spector, A. A. 69B, 541
Spielvogel, S. P. 70A, 115
Spinage, C. A. 70A, 87
Spurling, N. W. 68A, 541
Spychała, J. 69B, 5; 70B, 821
S.-Rozsa, K. 69A, 85; 69C, 411
Staddon, B. W. 68B, 593
Stammlier, G. 68A, 571
Stankiewicz, A. 69B, 5; 70B, 821
Stanley, I. J. 68B, 369
Stapel, S. O. 69B, 593
Steers, E. Jr. 70B, 185
Stefano, G. B. 69C, 25; 70C, 71, 215
Stegeman, J. J. 68C, 55
Stein, E. A. 68A, 681
Stene-Larsen, G. 70C, 1
Stenersen, J. 69C, 243
Stephens, G. A. 70A, 653
Sternby, B. 68B, 15
Stern-Tomlinson, W. 70A, 251
Stewart, D. B. 68A, 337
Stewart, M. G. 69A, 311
Stiffler, D. F. 69A, 273
Stingo, V. 69B, 687
Stirts, H. M. 69A, 125
Stoll, D. B. 68B, 421
Stonik, V. A. 68B, 401
Stoppie, P. 70B, 387
Storrs, E. E. 69A, 517
Strange, R. C. 68B, 579
Strong, E. R. 68A, 579
Studier, E. H. 70A, 537
Stupfel, M. 70A, 265
Sturbaum, B. A. 70A, 199, 599
Suarez, A. 70B, 401
Suarez, M. D. 70B, 219
Sugimoto, K. 69A, 395

- Sukmar, R. 70C, 177
 Sullivan, B. 69B, 897
 Sutherland, J. 68C, 63
 Sutter, B. Ch. J. 69A, 79
 Suzuki, S. 70B, 703
 Swan, H. 68C, 175
 Sweeny, P. R. 70B, 27
 Swierczynski, B. 69A, 637
 Sykiotis, M. 68B, 505
 Szabo, L. 69B, 637

 Tadmor, A. 69C, 121
 Taggart, J. 69B, 393
 Takahara, K. 69C, 179
 Takahata, M. 68A, 17
 Takamatsu, H. 70B, 435
 Takayanagi, H. 70A, 229
 Takemoto, L. J. 68B, 101
 Taketa, F. 70C, 261
 Takeuchi, K. 70A, 275
 Tam, J. W. O. 69C, 99
 Tan, C. H. 70A, 485
 Tanaka, N. 69A, 591
 Tansey, E. M. 70C, 241
 Tarui, H. 68A, 95
 Tarvid, I. 70A, 107
 Tatrai, I. 68A, 119; 70A, 211
 Tauber, J. D. 68B, 25
 Taylor, A. A. 70C, 131
 Taylor, B. M. 69A, 113
 Taylor, D. C. 69B, 553
 Taylor, T. G. 68A, 647
 Tazawa, H. 69A, 333
 Tellam, R. 69B, 517
 Tentori, E. 69B, 897
 Teplitz, N. A. 69C, 359
 Terblanche, S. E. 69A, 567
 Terman, C. R. 68A, 563
 Terra, W. R. 68B, 89
 Terwilliger, N. B. 70B, 169, 353
 Terwilliger, R. C. 70B, 549
 Teshima, S-i. 68B, 177; 69B 175
 Thebault, M. T. 68B, 65
 Theodore, J. 70A, 359, 365, 371
 Theofan, G. 69A, 557
 Thierry, H. 70A, 265
 Thomas, W. E. 70C, 177
 Thompson, A. C. 70A, 555; 70B, 179
 Thompson, G. E. 70A, 13
 Thompson, J. 70A, 509
 Thompson, R. J. 70B, 35
 Thompson, S. N. 69A, 173
 Thornhill, R. A. 69C, 313
 Thouard, D. 68A, 361
 Tilley, P. A. G. 69C, 125
 Tokarz, R. R. 70A, 115
 Tokura, H. 69A, 591
 Torgerson, G. E. 69A, 551
 Torruella, M. 70B, 463
 Tota, B. 70A, 217
 Townsel, J. G. 70C, 177
 Trams, E. G. 69B, 195; 69C, 185
 Trayhurn, P. 69B, 69
 Triantaphyllidis, C. D. 70B, 289
 Truchot, J-P. 68A, 555
 Tschinkel, W. R. 69B, 903
 Tsuyama, S. 69A, 405
 Tua, D. C. 69A, 675
 Turner, J. C. Jr. 68A, 167
 Turner, R. L. 69A, 125
 Turunen, S. 70B, 759
 Tuttle, R. C. 68B, 345
 Tyler, D. F. Jr. 69A, 517
 Tyrrell, D. J. 70B, 535
 Ubornyak, L. 68C, 251
 Uhlenbruck, G. 70B, 469
 Umbach, J. A. 68A, 49
 Underwood, H. 69A, 575
 Urbaneja, M. 70B, 367
 Ureta, T. 70B, 225
 Uva, B. 68A, 307

 Vacelet, J. 70B, 69
 Vacha, J. 69A, 357
 Valembois, P. 69B, 829
 Valente, D. 69C, 161
 Vallarino, M. 68A, 307
 Vanatta, J. C. 68A, 511; 69A, 157
 Van der Hamer, C. J. A. 70C, 255
 Vandeputte-Poma, J. 68A, 641
 Van der Horst, D. J. 69B, 315; 70B, 387
 Van de Voort, F. R. 70B, 731
 Van de Weghe, A. 69B, 223
 Van Elk, R. 70B, 45
 Van Gelderen, J. T. 69B, 273; 70B, 165
 Van Hauwaert, M-L. 70B, 487
 Vanheel, B. 68A, 641
 Van Marrewijk, W. J. A. 69B, 315
 Vanni, P. 68B, 599; 70B, 1
 van Overbeeke, A. P. 68C, 151; 69C, 67 75
 van Swigchem, H. 68A, 199
 van Waarde, A. 68B, 407; 69B, 413; 70B, 499
 Van Wormhoudt, A. 68B, 49
 Van Zeveren, A. 69B, 243
 Varela, G. 69A, 583
 Varenne, J. 68A, 391
 Varga, Sz. I. 69B, 637
 Vassy, R. 69A, 59
 Vazquez Pernas, R. 68B,

- 141
Vecchini, P. 69C, 253
Veerkamp, J. H. 68B, 31
Veltman, J. C. 69B, 523
Venkatesh, K. 68B, 425
Venturini, G. 69C, 105; 70B, 775
Vercelli, R. 68B, 295
Vergnes, O. 70B, 323
Verschueren, L. J. 69B, 455
Vesby, B. 69B, 873
Vich, J. F. 70A, 533
Vinogradov, S. N. 69B, 273; 70B, 165
Visconti, M. A. 70C, 293
Vives, F. 69B, 479
Vodicnik, M. J. 69C, 219
Volkman, J. K. 69B, 843
Volmer, H. 70A, 351
von Hagen, H. O. 70B, 393
Voulot, C. 68B, 415

Wada, N. 68A, 589
Wadano, A. 69A, 405
Waddill, J. R. 69A, 517
Wade, D. N. 70C, 277
Wadley, V. A. 70A, 17
Wagner, A. P. 70B, 147
Wagner, L. P. 70B, 147
Walker, C. H. 68C, 127
Walker, G. 69A, 389
Walker, R. J. 69C, 7, 301; 70C, 91
Wallenberg, P. v. 69B, 85
Walton, M. J. 68B, 147
Warburg, M. R. 68A, 277
Ward, J. M. Jr. 69A, 621, 627
Ward, L. C. 69B, 265
Warner, S. J. 68B, 351, 351
Warren, L. M. 69A, 321, 70A, 111
Wassersug, R. J. 70A, 329

Watabe, N. 68A, 659
Watkins, P. 68B, 509
Watson, T. A. 68C, 167; 69C, 125
Watts, P. D. 69A, 121
Wayman, A. L. 69C, 199
Wdzieczak, J. 68B, 357
Weathers, W. W. 68A, 111
Webb, K. L. 70B, 649
Webb, R. A. 70C, 201
Weber, J. F. 70B, 799
Weber, R. E. 68A, 159; 70A, 91
Wedege, E. 70B, 63
Weinreich, D. 69C, 383
Weiss, A. 69C, 1
Welch, W. Jr. 68B, 585
Wells, R. M. G. 70A, 91, 111
Wengrovitz, P. S. 69B, 535
Westman, K. 70A, 133
Whanger, P. D. 70B, 93
Wheeler, A. P. 69C, 53
Wheeler, J. W. 70B, 317
Wheldrake, J. F. 68A, 405; 68B, 491; 69C, 379
Whitaker, J. N. 68B, 215
White, A. 69C, 325
White, I. G. 70B, 619
White, K. N. 69A, 389
White, P. T. 70A, 335
Wiberg, A. 68C, 145
Wickham, D. E. 69A, 423
Wienhausen, G. 68B, 41
Wieser, W. 68A, 187; 68B, 57
Wilcox, L. M. Jr. 68A, 269
Wilhelm, F^D, D. 69B, 463
Wilkinson, S. M. 69B, 737, 747
Williams, J. A. 70A, 639
Williams, J. B. 69A, 783
Williams, J. F. 69B, 553
Williams, T. D. 70A, 375
Wilps, H. 68A, 571

Wilson, J. G. 70C, 139
Wilson, M. T. 68B, 445
Wilson, W. A. Jr. 70C, 273
Wilson, W. T. 70B, 607
Wimsatt, W. A. 70A, 387
Winberg, M. 69C, 141
Windmill, D. M. 69A, 211
Winlow, W. 69A, 789; 70A, 293
Wisnes, A. R. 69C, 157
Wit, L. C. 70A, 33
Witas, H. 68B, 357
Withers, N. W. 68B, 345
Withers, P. C. 69A, 141, 605
Wittmann, J. 69C, 1
Wiygul, G. 68A, 103, 527
WoldeMussie, E. 69B, 803
Wolf, G. H. 69B, 865
Womersley, C. 68A, 249; 70B, 579, 669
Woo, N. Y. S. 68A, 149; 69A, 237, 461; 70A, 443
Woo, S. M. 69B, 189
Wood, E. J. 69B, 877
Woodward, J. J. 68A, 457
Worm, R. A. A. 70B, 509
Worthy, G. A. J. 70B, 795
Wright, P. G. 70C, 289
Wriston, J. C. Jr. 68B, 163; 69B, 781
Wukie, J. J. 70B, 645
Wygoda, M. L. 70A, 243

Xyda, A. 68B, 359

Yagil, R. 69A, 129
Yahalomi, Z. 70C, 97
Yamada, J. 68A, 659
Yamaguchi, K. 68B, 517
Yamashita, S. 69A, 187
Yamashita, T. 70B, 435

Yamazaki, M. 70C, 35
 Yanda, D. M. 69B, 183
 Yarbrough, B. J. II. 69A,
 259
 Yarbrough, J. D. 69C, 109
 Yawetz, A. 68B, 237
 Yayanos, A. A. 69A, 563
 Yokoyama, E. 69A, 285
 Yokoyama, M. 68B, 485

 Zaba, B. N. 70B, 689
 Zabara, J. 70A, 469
 Zaleska-Freljan, K. I. 70A,
 161
 Zalesna, G. 68B, 357
 Zambrano, F. 70C, 269
 Zamora, S. 68A, 211; 68B,
 457
 Zanders, I. P. 70A, 457
 Zatta, P. 69B, 731
 Zepeda, S. 70B, 225
 Zerba, E. N. 68C, 255
 Zhukova, N. V. 69B, 599
 Zhuravler, V. 69A, 85
 Zielinska, Z. M. 70C, 223
 Zink, R. M. 69B, 629
 Zinner, K. 68B, 89
 Znojil, V. 69A, 357
 Zoeller, R. T. 70A, 115
 Zoetemelk, C. E. M. 70C,
 285
 Zolla, L. 69C, 253
 Zucker, I. 69A, 145
 Zusman, N. 69B, 345
 Zweers, A. 69B, 593
 Zygmuntowicz, R. 68B, 437

SUBJECT INDEX

Volumes 68-70 A, B and C, 1981

- A23187, 69A, 65
 ABRM, 68A, 9
Abramis brama, 68A, 119; 70A, 211
 Absorption of amino acids, 69A, 99
Acanthonyx lunulatus, 69B, 701
 Acclimation, 68A, 55
 Acclimation/reacclimation, 69A, 417
 Accumulation, 68A, 663
 Acetaminophen, 70B, 631
 Acetate, 69B, 837
 Acetylcholine, 68C, 35, 187; 69C, 161, 395; 70C, 129, 171, 185
 Acetylcholinesterase (AChE) 68C, 229; 69C, 117, 125; 70C, 157, 209
 ACh antagonist, 68C, 49
Achatina fulica, 70B, 469
Acheta domesticus, 69B, 133; 70A, 571
 Acid-base balance, 68A, 555; 69A, 333
 Acid deoxyribonuclease, 69C, 39
 Acidic glycosidases, 69B, 279
 Acid phosphatase, 68A, 681; 68B, 437; 69E, 279; 69C, 39
 Acid phosphodiesterase, 69C, 39
 Acidosis, 68A, 511; 70A, 371
 Acid proteinase, 70B, 791
Acomys cahirinus, 68A, 349
Acraea, 68B, 575
 Acrosin, 69B, 323
 Actiniaria, 70B, 153
 Actinomycin D, 69A, 557
 Activity metabolism, 69A, 605
 Acylglycerols, 70B, 401
 Adaptation, 69A, 395
 Adenine nucleotide, 68B, 193; 69C, 1
 Adenine nucleotide translocase, 68C, 9
 Adenosine, 69B, 547; 70B, 279, 799
 Adenosine deaminase, 70B, 199
 Adenosine 3, 5, -monophosphate, 69B, 693
 Adenosine triphosphate, 69B, 803; 70B, 77
 Adenylate cyclase (see cAMP) 68C, 109; 70B, 57
 Adenylic acid aminohydrolase, 68B, 369
 ADH, 69A, 129
Adrenal cortex, 70A, 161
 Adrenaline, 69C, 157; 70C, 185
 Adrenaline receptor, 70C, 1
 Adrenergic, 70C, 293
 Adrenergic responses, 70C, 109
 β_2 -adrenoceptor, 70C, 1
 Adrenoceptors, 70C, 1
 Aerial respiration, 68A, 507
 Aerobic metabolism, 70B, 35
 Affinity chromatography, 69C, 375
Agalychnis dacnicolor, 70B, 779, 783
Agama stellio, 68B, 359
 Age, 68B, 467; 69A, 285
 Age related changes, 70B, 753
 Airflow, 68A, 1
 Albumen gland, 70B, 45
 Albumins, 68A, 67; 68B, 319, 397
 Alcohol dehydrogenase, 69B, 133; 70B, 643
 Aldosterone, 69A, 129
Aldrichina grahami, 69A, 405
 Alimentary tract, 69A, 99
 Alka-2, 4-dienals, 68B, 593
 Alkaline phosphatase, 68C, 69; 70B, 359
 Alkalosis, 68A, 511
 Alkylpyrazines, 70B, 317
 Allantoin, 70B, 799
 Allelic proteins, 68B, 505
 Alligator, 69A, 1
Allolobophora caliginosa, 68A, 669; 70B, 157
 Alloxan diabetes, 70B, 725
 Allozymes, 69B, 393

- Alveolar wash, 69B, 9
- Ambystoma tigrinum, 70A, 65
- Amebas, 69B, 487
- Ameiurus nebulosus, 70A, 443
- Ameiva ameiva, 69A, 259; 70B, 313
- Ameiva bifrontata, 69A, 259
- Amines, 69C, 53
- Amino acids, 68A, 261, 531, 589; 68C, 43, 85; 69A, 423, 443; 69B, 5; 69C, 171; 70A, 309; 70B, 173
- Amino acid composition, 70B, 487
- Amino acid metabolism, 69B, 265; 70B, 427
- Amino acid requirements, 69A, 173
- Amino acid synthesis, 68B, 183
- Amino acid transamination, 68B, 119
- α -amino-iso-butyric acid, 68A, 663; 69A, 603
- Aminopeptidases, 69B, 55, 189
- Aminophospholipid, 69B, 599
- Aminotransferase, 68B, 527; 70B, 829
- Ammonia, 68A, 265, 307, 589; 70A, 211, 603
- Ammonia production, 68A, 511; 70B, 499
- Ammonium excretion, 70B, 409
- Ammophila, 70B, 317
- Ammospermophilus leucurus, 70B, 601
- AMP (also see cAMP) 68A, 43
- AMP-deaminase, 69B, 5, 413; 70B, 821
- Amphibians, 70B, 305
- Amphibola crenata, 69A, 587
- Amphioxus, 70B, 341
- Amphisbaena alba, 68A, 159
- Amphiuma means, 69A, 141
- Ampullaria canaliculata, 68A, 285
- Anaerobic contribution, 69A, 693
- Anaerobic metabolism, 69B, 715
- Anaesthesia, 69B, 655
- Anaesthetic agents, 70C, 241
- Anas platyrhynchos, 68C, 103; 70C, 77
- Anesthetics, 58C, 9
- Anesthetized toads, 70C, 123
- Angiotensin II, 70C, 131
- Anguilla anguilla L. 68C, 247; 69A, 225, 709; 70C, 135
- Anguilla australis schmidtii, 70C, 85
- Anguilla dieffenbachii, 70C, 85
- Anguilla japonica, 68B, 113
- Anguilla rostrata, 70A, 587
- Anguina tritici, 68A, 249
- Anguispira alternata, 69A, 493
- Anhydrobiosis, 70B, 579, 669
- Anionic trypsin-like enzymes, 70B, 527
- Annelid, 68A, 625; 70B, 719
- Anodonta cygnea L. 69C, 407
- Anodonta couperiana, 68B, 119
- Anolis, 68A, 67
- Anolis carolinensis, 69A, 23, 575; 70A, 33
- Anoxia, 68C, 1; 70B, 271
- Anser caerulescens caerulescens, 68A, 653
- Antarctic fish, 69B, 79
- Anthanomous grandis, 69C, 53
- Antioxidant, 70B, 381
- Antithyroid compounds, 69C, 307
- A₁-anti-trypsin, 68B, 307
- Anuran larvae, 70A, 497
- Aorta, 68C, 9
- Aotus trivirgatus, 70A, 341
- Apis mellifera, 70B, 607
- Apolipoproteins, 70B, 487
- Aphanius dispar, 68C, 69, 199
- Apical glycocalyx, 70A, 107
- Apis mellifica, 69A, 79
- Aplysia, 68A, 225
- Aplysia californica, 70C, 273
- Aplysia ganglia, 69C, 383
- Aplysia gastrointestinal tract motility, 68C, 133
- Aplysia neurons, 68A, 579
- Apolipoproteins, 68B, 125
- Aptenodytes forsteri, 70A, 191
- Arenicola marina, 68B, 41
- Arginine catabolism, 70B, 639
- Arginine vasotocin, 70A, 115
- Argiope aurantia, 69A, 759
- Arion ater, 68A, 37

Aristaeomorpha foliacea, 69B, 559, 819
 Aromatic amino acid, 69B, 791
 Arsenic, 70C, 269
Artemia salina, 70B, 487
 Arthropods, 70A, 579
 Arylamidases, 68B, 485
Ascaris suum, 69B, 693
 Ascorbic acid, 68A, 451; 70A, 451, 545
 Aspartate aminotransferases, 69B, 737, 747, 753, 761
Astacus astacus, 68B, 603
Asterina, 70B, 739
 Astigmatid mites, 70B, 615
Astyanax (Astyanax) fasciatus fasciatus, 70C, 265
 ATP, 69B, 505
 ATPase, 68C, 167; 68B, 113; 69B, 195, 377, 577; 69C, 399; 70A, 315
 ATPase inhibitor, 69B, 371
 ATP levels, 68A, 519
Attagenus megatoma, 69B, 189
Atta laevigata, 68A, 241; 69B, 901
Atta sexdens rubropilosa, 68A, 241
 Audition, 69A, 537
 "August Krogh Principle", 70B, 385
 Autonomic variations, 70C, 123
 Autoregulation, 70A, 79
 Avian heart, 70A, 173
 Avidin, 68A, 323

Babesia hylomysci, 70B, 133
 Baboons, 69C, 165
Bacillus cereus, 70B, 535
Bacillus thuringiensis, 70B, 535
Balanus balanoides, 69A, 389
Balanus eburneus, 68C, 55
Barbus meridionalis, 70B, 289
 Basement membranes, 68B, 31
Basidiobolus haptosporus, 70B, 359
 Bats, 68A, 383
 Bedouin goats, 70A, 145
 Bees, 69C, 161
 Beetles, 68A, 231

Behavioral alarm stimuli, 70A, 23
 Behavioral responses, 68A, 111
 Belding's Savannah sparrows, 69A, 783
 Benzo[a]pyrene, 68C, 55
 Benzole, 69C, 259
 Benzoyl peroxide, 70C, 35
 Bile salt, 69B, 243
 Biliary secretion, 69A, 341
 Bilverdin, 70A, 587
 Bioenergetics, 69A, 783
 Biogenic amines, 68C, 205
 Biogenic amino metabolism, 69C, 227
 Biomass, 68A, 285
Biomphalaria glabrata, 69C, 227
 Birds, 68C, 127
 Bitter solutions, 69A, 395
Blaberus discoidalis, 69C, 313
 Black bear, 69A, 121
 Blankophor, 68C, 161
 Blood-brain barrier, 68C, 247
 Blood cells, 69A, 437
 Blood chemistry, 69A, 517
 Blood clotting, 68A, 541
 Blood coagulation mechanism, 69A, 739
 Blood meals, 68B, 425
 Blood metabolites, 70B, 661
 Blood pressure, 70C, 249
 Blood pressure regulation, 70C, 117
 Blood serum, 70A, 127
 Blood volume, 69A, 767
 Body composition, 69A, 363
 Body mass, 69A, 621
 Body O₂ stores, 70A, 365
 Body temperature, 69A, 689
 Body wall strips, 69C, 171
 Body water, 70A, 45
 Body weight, 69A, 357
 Body size, 69A, 611; 70A, 235, 497, 603
 Body temperature, 70A, 537
 Bohr effect, 69A, 225
 Boll weevil, 68A, 527
Bombyx mori, 69A, 133
 Bone pathology, 69A, 675

- Bos indicus, 70B, 457
- Bos taurus, 68B, 445; 69B, 511
- Bothrops jararaca, 69A, 739
- Brachydanio nigrofasciatus, 70B, 643
- Brachydanio rerio, 69C, 83
- Bradycardia, 70A, 529
- Brain, 68B, 599
- Brain extracts, 68C, 175
- Brain hormone, 70B, 493
- Brain lipids, 68B, 363
- Brain membranes, 70B, 57
- Brain slices, 70A, 371
- Branchiostoma lanceolatum, 70B, 341
- Brindled mice, 70C, 255
- Brown fat, 68B, 209; 70B, 193, 601, 679
- Bubo virginianus, 68A, 167
- Bufo bufo, 68A, 515; 69A, 705
- Bufo marinus, 69A, 693
- Bullia digitalis, 69A, 599
- Bunodosoma, 68B, 221
- Bunodosoma granulifera, 68B, 25
- Buoyancy, 68A, 337
- Burrows, 69A, 373
- Buthus quinquestriatus, 69B, 873
- cAMP, 68C, 21; 69A, 305; 69B, 61; 69C, 13, 105, 153; 70A, 639; 70C, 171
- Ca-ATPase, 68C, 15
- Cadmium, 68A, 37; 68C, 91; 69C, 83
- Caffeine, 69C, 191
- Calamoichthys calabaricus, 68A, 507
- Calcification, 70A, 285
- Calcitonin, 68A, 417, 647
- Calcium, 68A, 181; 69C, 345
- Calcium activated transamidase, 69B, 889
- Calcium Binding, 68A, 625; 69C, 149
- Calcium content, 70A, 583
- Calcium-dependent potassium conductance, 68A, 487; 69C, 113
- Calcium fluxes, 68A, 625; 70A, 65; 70C, 229
- Calcium phosphate granules, 68A, 423
- Calcium transport, 70B, 85
- Calcium uptake, 70A, 97
- Callinectes sapidus, 68A, 451
- Calmodulin, 69B, 61
- Caloric composition, 70A, 607
- Camelus dromedarius, 68B, 155, 445, 551; 69A, 429
- Cancerous tissues, 70B, 819
- Capra hircus, 69A, 713
- Cardiac growth, 70A, 217
- Carpra ibex, 69A, 713
- Carassius auratus, 68A, 659; 68B, 151, 407; 68C, 161; 69B, 249, 413; 70A, 431; 70B, 499; 70C, 109
- Carassius carassius, 70A, 451; 70C, 281
- Carbohydrase, 69B, 905
- Carbohydrate modification, 69B, 681
- Carbohydrate transport, 68A, 131
- Carbon, 70A, 285
- Carbon dioxide, 68A, 289, 673; 69A, 805
- Carbonic anhydrase, 69A, 381; 70A, 173, 431
- Carboxypeptidase B, 69B, 639
- Carcinonemertes errans, 69A, 423
- Carcinus maenas, 68A, 555; 69A, 381, 571; 69B, 731; 69C, 399; 70A, 457
- Cardiac responses, 68A, 515
- Cardiorenal system, 69A, 85
- Cardio-respiratory synchrony, 70A, 329
- Cardiotoxins, 69B, 345
- Cardium edule, 69B, 715; 70B, 271
- Carnitine, 68B, 431
- Carotenoids, 68A, 25; 68B, 221, 345; 69B, 91, 611, 885; 70B, 571
- Carotenoid pigments, 69B, 559
- Carotenols, 69B, 625
- Carotenoprotein, 68B, 89, 339; 70B, 665
- Carp, 70C, 261
- Ca²⁺-stimulated ATPase, 70B, 559
- Catalase, 68B, 357; 69B, 893; 70B, 819
- Catecholamine, 70C, 85, 117, 131, 135, 249
- Cathepsin D, 68B, 215
- Cations, 70A, 27
- "Cation" gap, 70A, 359
- Catostomus commersoni, 68A, 127

Cats, 68A, 355
 Cecectomy, 70B, 345
 Cell division, 68A, 43
 Cellulolytic activity, 70B, 521
 Central nervous system, 68C, 43; 70B, 415
 Cephalopoda, 70B, 623
 Cephalopods, 68B, 415, 535
Ceratitis capitata, 68B, 313; 68C, 109;
 69B, 55; 70B, 53, 57, 257, 401
 cGMP, 70C, 171
Chaetopterus variopedatus, 68C, 187
Cheirogaleus medius, 68A, 605
 Chelae ablation, 70A, 447
 Chemokinetic effects, 69C, 275
 Chick embryo, 69A, 333; 69B, 157
 Chickens, 68A, 87, 265; 68B, 19, 599;
 69A, 411; 69B, 479; 69C, 331; 70A, 107,
 223, 591, 611, 619
 Chick liver, 69C, 1
 Chick kidney, 70B, 219
 Chiroptera, 70A, 387
 Chitin, 69B, 283; 70B, 173
 Chitinprotein, 68B, 535
 Chloride, 68A, 677; 70A, 47, 157
 Chlorocruorin, 69A, 487
 Cholecystokinin, 70A, 179
 Cholesterol, 68A, 391; 69B, 243, 493
 Choline acetyltransferase, 69C, 141, 403
 Cholinergic agents, 69C, 171; 70C, 293
 Cholinergic responses, 70C, 109
 Cholinesterase, 70C, 289
 Chordotonal organ, 68A, 99, 531
 Chorioallantoic membrane, 70A, 173
 Chromatin, 68B, 49
 Chromatophorotropin, 68A, 597
 Chromium, 68C, 161
Chrysaora quinquecirrha, 69B, 529; 70B,
 649
Chrysemys scripta, 70A, 141
Chrysophrys, 69A, 461
Chrysophrys major, 69A, 237
 Chymosin, 68A, 9
Chymotrypsin, 69B, 639, 647
 Cibaron blue F3GA, 68B, 107
 Circadian organization, 68A, 127, 477
 Circadian phase, 69A, 611
 Circadian rhythmicity, 70C, 135
 Circannual rhythms, 69A, 621
Cirriiformia, 69B, 273
Cirriiformia tentaculata, 69A, 321
Citellus lateralis, 68B, 203, 209
Citellus tridecemlineatus, 68B, 431; 69A, 479
 Clam, 70B, 199
 Climatic stresses, 70A, 13
 Cloacal catheter, 70A, 653
 Clophen A50, 68C, 239; 70C, 297
 Clotting time, 69A, 637
Cnemidophorus sexlineatus, 70A, 33
 Cockroach, 68C, 15; 69A, 165; 70A, 205,
 229, 351
 Cold-acclimated, 69B, 237
 Cold acclimated rat, 70B, 679
 Cold-hardiness, 70A, 579
 Cold stress, 70A, 321
 Colipases, 68A, 15
Colius castanotus, 69A, 689
 Collagenase, 70B, 635
 Collagenolytic type enzyme, 68A, 669
 Colon, 70B, 209
 Colonic electrolyte flux, 69A, 543
 Color changes, 68C, 205
 Comparative biochemistry, 70B, 1
 Consumption, 69A, 621
 Contamination, 68A, 527
 Contractility, 70A, 479
 Convulsants, 70C, 91
 Cooling, 68A, 399; 69A, 23
 Copper concentration, 68C, 63; 70B, 93; 70C,
 139
 Copper metabolism, 70C, 255
Coregonus albula, 68C, 121
 Corpus cardiacum, 68A, 25
 Corticosteroids, 68A, 115
 Corticosterone, 68C, 103
 Corticotrophin, 70A, 257
 Cortisol, 70B, 451

- Coturnix coturnix japonica, 69B, 265, 307; Deer mice, 69A, 267; 70A, 23
70A, 247, 649
- Cows, 68A, 281
- Crabs, 70B, 415
- Crassostrea virginica, 68B, 177; 69B, 175
- Crayfish, 68A, 299; 69A, 197, 637; 70A, 165, 251, 351, 393
- Crayfish axons, 69C, 235
- Crayfish motoneurons, 69A, 631
- Crayfish neuromuscular junction, 70C, 49
- Crayfish tail muscle, 70A, 421
- C-reactive protein, 69C, 325
- Cricket, 70C, 159
- Crocodylians, 68A, 107; 69B, 499
- Crocodylus niloticus, 69A, 51
- Crop, 70A, 73
- Crustacean, 68A, 91
- Crustacyanines, 70B, 665
- δ -crystallin, 69B, 593
- CSF, 68B, 307
- Ctenopharyngodon idella, 69B, 885
- Culex pipiens, 69B, 23
- Culex tarsalis, 69C, 117
- Cutaneous respiration 70A, 541
- Cuticle water activity, 68A, 231
- Cuticular lipids, 70B, 441
- Cyanogenetic basis, 69B, 903
- Cyanoglucosides, 68B, 575
- Cyclic nucleotide, 69B, 701
- Cycloheximide, 69A, 557
- Cyclostomes, 68A, 149
- Cyprinus carpio, 68B, 437; 69B, 639, 647; 69C, 219; 70A, 443, 70B, 147, 375
- Cytochrome c oxidase, 68B, 445
- Cytochrome P450, 69C, 219
- Cytotoxic neuropharmacology, 69C, 359
- Daphnia magna, 69A, 679; 69C, 83
- Dasypus novemcinctus, 69A, 517
- DDT, 69C, 109, 165, 399
- DDT-resistance, 68C, 15
- Decis 2-5, 70C, 265
- Decompression, 69A, 563
- Defensive secretions, 69B, 903
- Dehydrogenase, 70B, 141
- Demospongiae, 68B, 481
- Denervation, 69C, 141; 70A, 583
- Dental pulp, 70C, 35
- Deoxyadenosine, 69B, 547; 70B, 279
- Depression of O_2 , 70A, 365
- Desialosylation, 69A, 59
- Desiccation, 68A, 449
- Detoxication, 68A, 589
- Deuterium oxide, 69A, 631
- Dvelopment, 69B, 157
- DFP, 69C, 395
- Diacylglycerol, 70B, 387
- Diapause, 68B, 95; 70A, 555; 70B, 759
- Diatraea grandiosella, 70A, 555; 70B, 759
- Dieldrin, 69C, 313
- Dietary fats, 68A, 361
- Dietary water, 69A, 511
- Differentiation, 68B, 173
- Digestibility, 70A, 619
- Digestion, 69A, 99
- Digestive enzyme, 70A, 443
- Digestive turnover, 70A, 235
- 5,6-dihydroxytryptamine, 69C, 407
- Dinoflagellate sterols, 69B, 535
- Dipeptide uptake, 69A, 311
- Diploid-tetraploid complex, 68A, 175
- Dipteran chemoreceptors, 70A, 469
- Disoglossus pictus pictus, 70B, 331
- Distention-sensitive receptors, 70A, 73
- Ditylenchus dipsaci, 68A, 249
- Ditylenchus myceliophagus, 68A, 249
- Diurnally-cycling temperatures, 70A, 431
- Diurnal peaks, 70A, 157
- Diurnal rhythm, 68A, 659
- Diving, 70A, 359, 365, 371
- DNA, 69B, 687, 901; 70A, 217
- 2,4-DNP, 69C, 235
- Dog, 70B, 435
- Dogfish, 70C, 131
- Dolphin eye movements, 68A, 443

- 1-DOPA, 70C, 117, 249
 Dopa oxidase, 68B, 57
 Dopamine, 68C, 205
Doriopsilla albopunctata, 68C, 49
Drosophila heads, 69B, 61
Drosophila melanogaster, 68A, 523; 69C, 387
Dugesia lugubris, 69B, 869
 Dual innervation, 69C, 25

 Earthworm coelomic fluid, 69B, 829
 Earthworm tropomyosin, 69B, 35
 Ecdysone, 68A, 91
 Ecdysteroid, 70A, 239
 Ecdysterone, 69A, 197
 ECG, 70A, 103
 Echinenone, 68B, 89
 Echinoderms, 68B, 361
 Echiuroid, 69C, 171
 Ectotherm vertebrate, 69A, 665
 Egg, 68A, 399
 Egg white riboflavin-binding protein, 69B, 681
 EGTA, 68A, 87
Eisenia foetida, 68B, 275; 69B, 829
 Elasmobranchs, 68B, 363
 Elastase, 69B, 639, 647
 Elastin, 68B, 473
 Electrical stimulation, 69A, 479
 Electroantennogram, 70A, 229
 Electrolyte concentration, 69A, 161; 70B, 415
 Electrophoretic data, 70B, 393
 Electroretinographic, 68A, 477
 Electrotonic coupling, 68A, 199
 Elk, 68C, 145
 Embryonic development, 70A, 509
 Embryos, 70C, 129
Emerita brasiliensis, 70A, 627
Emerita talpida, 69A, 125
 Enantiomers, 69C, 375
 Endocrine, 68A, 149
 Endothermy, 68A, 167
 Energetic advantages, 70A, 537
 Energy flux, 69A, 705
 Energy metabolism, 70A, 247
Enhydra lutris, 70A, 375
Entamoeba histolytica, 68B, 71
 Enterohepatic circulation, 69A, 341
 Enzymes, 70A, 107
 Enzyme inhibitors, 70B, 499
 Epidermal, 69B, 701
 Epidermis, 69C, 39
 Epinephrine (see adrenaline)
 Epithelium, 68A, 225, 511
 Epoxide hydrase, 69B, 29
Equis cabalus, 70B, 279
Eriocheir japonicus, 70B, 527
Erpobdella octoculata, 70C, 201
 Erythrocrurin, 70A, 111
 Erythrocytes, 68B, 357; 69A, 357; 69B, 505, 523, 547, 599, 889; 69C, 45; 70A, 83, 335; 70B, 767
 Erythrocyte membrane, 68A, 273
 Erythrocytic phosphates, 70A, 9
 Erythropoiesis, 69B, 303
 Escape behavior, 70A, 57
 ESR, 70B, 611
 Esterases, 68C, 255; 70B, 289, 607
 Estivating earthworm, 68A, 669
 Estradiol-17 β , 70A, 97
 Ethanol, 70C, 159
 [³H]ethylene dibromide, 69C, 121
 Eucine, 69A, 443
Euhadra hickonis, 69C, 113
Eurycea multiplicata griseogaster, 69A, 505
 Evaporate water loss, 69A, 51; 70A, 243
 Evolution, 69B, 1
 Evolution in reptiles, 69B, 687
 Excreta analysis, 70A, 205
 Exercise, 69A, 449
 Exocytosis, 70A, 261
 Extrahepatic xenobiotic metabolism, 69C, 259
 Extraocular photoreception, 69A, 145
 Eyestalks, 70A, 447
 Eyestalk ablation, 69A, 523, 571

- Eyestalk extracts, 69A, 197
- Factor XII, 68A, 355
- Fascioliasis, 70A, 547
- Fasted rats, 69B, 665
- Fasting, 68A, 313; 69A, 689; 69B, 655; 70A, 13
- Fat body, 68B, 425, 457; 69A, 325
- Fat diets, 68A, 281
- Fatty acid, 68A, 19, 361; 69B, 99, 107; 70B, 401
- Fatty acid binding proteins, 68B, 83
- Fatty acid composition, 69B, 625; 70B, 457, 795
- Fatty acid desaturase, 70B, 53
- Fatty acid synthesis, 68B, 551; 70B, 515
- Fear, 70A, 529, 533
- Fear bradycardia, 69C, 367
- Feeding, 69A, 511; 70A, 469
- Felis domestica, 69B, 257
- Ferritin synthesis, 69B, 287
- Fibronogenases, 70B, 349
- Fiddler crabs, 70B, 393
- Fish, 69B, 463; 70C, 97, 109
- Fish roe, 69B, 725
- Flight, 68A, 571
- Fluid transfer, 70A, 439
- Fluorescence spectra, 69B, 157
- FMRFamide, 70C, 103
- Folic acid, 68C, 213
- Food intake, 68A, 635
- Formyltetrahydrofolate synthetases, 68B, 585
- Fowl (also see chicken) 69A, 449; 70A, 179, 257
- Free fatty acids, 68B, 599
- Free amino acids, 68A, 187; 70A, 17, 485, 631
- Frogs, 68A, 181; 69B, 5
- Frog liver, 69C, 179
- Frog skeletal muscle, 69B, 517
- Frog skin, 69A, 157
- Fructose, 69B, 471; 70A, 387
- FSH, 68A, 563
- α -L-fucosidase, 68B, 509
- Fundulus grandis, 68B, 193
- Fundulus heteroclitus, 70A, 157
- Furazolidone-induced cardiomyopathy, 69C, 149
- GABA, 68C, 187; 69C, 7; 70C, 91
- Gadus morhua, 68B, 173, 333; 69B, 127; 69C, 141, 403; 70A, 545; 70C, 249
- Gadus morhua macrocephalus, 68B, 173
- Galactan, 70B, 469
- α -D-galactosidase, 68B, 141
- Gallus domesticus (see also chicken) 68A, 61, 399, 647; 68B, 445; 69A, 305; 69B, 265; 69C, 307, 353; 70A, 73
- β -D-galactosidase, 69B, 851
- Galvanotaxic response, 69C, 261
- Gambusia affinis, 69C, 109
- Gammarus lacustris, 70B, 665
- Gangliosides, 68B, 245, 301; 70B, 565
- Gas exchange, 69A, 809
- Gastricsinogens, 68B, 251
- Gastrointestinal motility, 70A, 179
- GDP-mannose, 69B, 231
- Gelatin, 70B, 649
- Genetic differentiation, 69B, 629
- Geotria australis, 69A, 815
- Gerbil, 69B, 201
- Germinal vesicle breakdown, 69A, 557
- Giant axons, 68A, 299
- Giant interneuron, 68A, 49; 70C, 159
- Gills, 68C, 151; 70A, 133; 70C, 59
- Gill tissue, 70B, 271
- Globin composition, 70B, 421
- Glomerular filtration rate, 68A, 405
- Glossina morsitans, 69A, 133, 325
- Glucocorticoid, 69B, 425; 70A, 649
- Glucocorticoid sulfotransferases, 69B, 511
- Glucokinase, 68B, 547
- Gluconeogenesis, 68B, 547; 69B, 775
- Glucose, 68A, 253; 69B, 471, 479, 837; 70A, 439; 70B, 689

- Glucose induced hyperglycemia, 69A, 529
 Glucose kinetics, 68B, 555; 70A, 223
 Glucose metabolism, 68B, 467; 69B, 299; 70A, 191; 70C, 13
 Glucose-6-phosphatase, 70B, 323
 Glucose phosphorylating isoenzymes, 70B, 225
 Glucose tolerance, 69A, 205
 Glucose turnover, 69B, 69
 Glucose-6-phosphate dehydrogenase, 68B, 599; 69B, 147, 237
 α -glucosidase, 70B, 319
 β -glucuronidase, 68B, 1
 Glutamate dehydrogenase, 68B, 407; 70B, 409, 463
 Glutamine, 68A, 265; 69C, 145
 Glutamate transaminases, 69B, 137
 γ -glutamyltranspeptidase, 68B, 361; 70A, 255
 Glutathione, 69C, 337
 Glutathione peroxidase, 69B, 893
 Glutathione-S-transferase, 68B, 237, 491, 579; 69C, 243; 70C, 285
Glycera dibranchiata, 70B, 169
 Glycerate-2,3-P₂-I, 70B, 237, 477
 α -Glycerophosphate dehydrogenase, 69B, 23
 Glycerinated stalks, 70A, 479
 Glycerol, 70B, 401, 401, 579
 Glycerolipids, 68B, 259
 Glycerol kinase activity, 69A, 567
 Glycerol-3-phosphate, 68B, 289
 Glyceryl ether, 68B, 267
 Glycine, 69A, 455
 Glyconjugates, 69B, 445
 Glycogen, 68A, 313; 68B, 159; 69B, 655, 665; 69C, 1; 70A, 555, 615; 70B, 179
 Glycogenesis, 68B, 547
 Glycogenolysis, 69B, 693, 775
 Glycogen phosphorylase, 68B, 333; 70B, 587
 Glycolysis, 68B, 547
 Glycoprotein, 69B, 15; 69C, 39
 Glycoprotein radiolabelling probes, 70B, 767
 Glycyl-glycine, 69A, 455
 Glyoxylate cycle, 70B, 1
Glyptonotus antarcticus, 70A, 91
 Goat brain, 70B, 565
 Golden hamsters, 70B, 627
 Goldfish, 69B, 577; 70A, 69
 Gonad, 70A, 607
 Gonadal cAMP-content, 70A, 53
 Gonad weight, 69A, 701
 Gonadal development, 69A, 523
Gonyaulax monilata, 69B, 535
 Grant's gazelles, 70A, 87
 Growth, 68A, 549; 69A, 161, 175, 437
 Guanylate cyclase, 68B, 567
 Guanyl nucleotide, 69C, 387
 Guinea-pig, 69B, 655, 665; 70A, 265, 321, 427
 Gustatory neural responses, 69A, 395
 Gut composition, 69A, 543
 5HT, 68C, 205, 247; 69C, 407; 70C, 229
 Hageman, 68A, 355
 Hair organs, 68A, 217
Halichondria panicea, 70B, 141
 Hamsters, 69A, 153; 69B, 243
Hansenula anomala, 69A, 583
 Harderian glands, 69A, 153; 70B, 627
 HCO₃⁻, 68A, 511
 HCO₃⁻ stimulated, 70A, 315
 Heat exchange, 70A, 141
 Heating, 69A, 23
 Heart, 68C, 9; 70C, 85, 109
 Heat stress, 70A, 199, 599
 Heavy metals, 69C, 391
Helice crassa, 70A, 551
Heliconius, 68B, 575
Heliothis virescens F., 68A, 523; 68B, 259
Heliothis zea, 68A, 103; 70B, 179
Helix aspersa, 70A, 559; 70C, 103
Helix pomatia, 68A, 467, 611; 68C, 21; 69A, 85; 69B, 455
 Helminth, 69B, 553

- Hematocrit, 70A, 157, 611
- Hematology, 68A, 355
- Hemilepistus aphganicus, 70A, 405
- Hemilepistus reaumuri, 70A, 405
- Hemimastectomy, 70A, 427
- Hemocyanin, 68B, 163, 603; 69B, 455, 731, 781, 877; 69C, 253; 70A, 91; 70B, 657, 815
- Hemocyanin multigene, 69B, 897
- Hemoglobin, 68A, 359, 519; 68B, 275; 69A, 225, 679, 709; 69B, 273, 463; 69C, 99, 337; 70A, 381; 70B, 165, 185, 353, 549
- Hemoglobin fingerprint, 68B, 497
- Hemolymph, 68A, 75, 677; 69A, 243, 637; 69B, 873; 70A, 47, 119, 447, 519, 525
- Hemolymph protein, 70A, 485
- Hen (see chicken, Gallus), 69A, 345; 69B, 5
- Hepatic aldehyde dehydrogenase, 69C, 199
- Hepatic biotransformation, 70C, 149
- Hepatic microsomal drug-metabolizing enzyme, 69C, 165
- Hepatic microsomal enzymes, 68C, 127
- Hepatic mixed-function oxidase, 70C, 77
- Hepatic mixed function oxidase system, 70C, 297
- Hepatocytes, 69B, 257, 425, 775; 70B, 499, 631
- Hepatopaneas, 68A, 423; 69B, 851, 873
- Heterocarpus dorsalis, 69B, 559, 819
- Heterothermic, 68A, 383
- Hexokinase, 68B, 547; 70B, 225, 587, 745; 70C, 261
- Hibernation, 69A, 121, 479; 69B, 169; 70A, 435
- Hibernating rodents, 68C, 175
- Hibernator, 70B, 263
- High pressure convulsions, 69A, 665
- Hirudo medicinalis, 70C, 209
- Histamine, 68C, 231
- Histamine methyltransferase, 68C, 231
- Histaminergic synapses, 69C, 383
- Histidine, 68C, 231
- Histidine decarboxylase, 68C, 231; 69C, 383
- Holothuria glaberrima, 68A, 373; 70A, 27
- Holothurian, 69C, 169
- Holothurian dermis, 70C, 41
- Homarus americanus, 68A, 217; 68B, 163; 69A, 317; 69B, 781
- Homoiothermic, 68A, 383
- Honeybee, 68B, 351
- Honeys, 69C, 161
- Horses, 68B, 225, 505; 70A, 83
- Horse liver, 69B, 909
- Houseflies, 69B, 361
- Humans, 70A, 309
- Human lymphoid cells, 70B, 595
- Human tissues, 70C, 285
- Hydrogen, 70B, 199
- Hydrogen shuttle, 69B, 1
- Hydrogen sulfide, 69B, 809
- Hydrostatic pressures, 68A, 501
- 25-Hydroxycholecalciferol, 68B, 401
- 6-Hydroxydopamine, 69C, 141
- 17 β -Hydroxysteroid dehydrogenase, 70B, 807
- 25-Hydroxyvitamin D, 69B, 183
- 19-Hydroxylated prostaglandins, 70B, 619
- Hylobates lar, 70A, 45
- Hymenolepis diminuta, 70B, 697
- Hymenoptera, 69A, 173
- Hypercalcaemia, 68A, 647
- Hyperglycaemia, 69C, 371
- Hyperlactacidemia, 69C, 371
- Hyperlipaemic hormone, 68A, 25
- Hyperlipidemia, 68A, 19
- Hyperosmotic stress, 70A, 485
- Hypocalcemic factor, 68A, 95
- Hypochlorous acid, 69C, 133
- Hypophysectomy, 70B, 787
- Hypoosmotic stress, 69A, 641
- Hypothalamic noradrenaline, 69C, 213
- Hypothalamic serotonergic system, 70A, 69
- Hypothalamic sites, 69A, 479
- Hypothermia, 68A, 211
- Hypoxia, 68A, 519; 69A, 321; 70A, 133, 321;

70B, 427

Ictalurus melas, 68A, 313

Idothea wasnesenskii, 69A, 777

Immune response, 68A, 67; 68B, 397;
70B, 811

Immunological relationships, 70B, 387

Immunoreactive glucagon contents, 69A,
31

Immunoreactive insulin content, 69A, 717

Incubation temperature, 70B, 515

Indole, 69C, 359

Induction of enzymes, 69B, 147

Inflammation, 68A, 323

Inflammatory agents, 69C, 325

Insect heart, 70C, 185

Insulin, 69B, 479

Insulin-like molecule, 69A, 79

Integument, 68B, 517; 69A, 381; 70A, 65

Intermolt cycle, 69A, 381

Intestinal absorption, 69A, 231, 455

Intestinal brush border, 69B, 15

Intestinal epithelium, 69B, 299

Intestinal potentials, 69A, 15

Intoxication, 69C, 337

Intracellular redox, 69B, 775

Intramuscular cation injections, 69A, 411

Intraspecific confrontation, 69A, 267

Ionic balance, 70A, 457

Ionophore populations, 69C, 61

Iron, 68A, 423

Iron induction, 69B, 287

3-Isobutyl-1-methylxanthine, 69C, 13

Isoenzymes, 70B, 295

Isolated brain, 70A, 293

Isolated hearts, 70A, 491

Isopycnic centrifugation, 69B, 279

Iysosomes, 68B, 141

Isozyme patterns, 70B, 367

Jejunum, 69A, 305

K⁺ excretion, 69A, 157

Kestrels, 68A, 111

Kidneys, 68B, 401, 485; 69B, 311; 70C, 255

Kidney regeneration, 68C, 213

Kinase, 69B, 701

Kingfisher, 69A, 149

Kinin-like factor, 68C, 235

Lacrimal gland, 69A, 137

Lactation, 70A, 145

Lactate, 70A, 359, 371

D(-)lactic acid, 69B, 85

Lactate dehydrogenase, 68B, 65; 68C, 1; 69B,
201, 715, 881; 70B, 289, 331

L-canavanine, 70B, 639

Larus argentatus, 68C, 91

Lead, 69C, 205

Lecithin:cholesterol acyltransfer, 70B, 305

Lecithin:cholesterol acyltransferase, 69B, 633

Lectins, 70B, 69

Leech, 70A, 37

Leilopisma zelandica, 70A, 623

Leiostomus xanthurus, 69A, 467

Leishmania donovani, 68C, 95; 69A, 65

Leishmania mexicana amazonensis, 68C, 95

Lens membrane, 68B, 101

Leonereis culveri, 70A, 631

LH, 68A, 563

Lichmera indistincta, 68A, 635

Life cycle, 69A, 815

Life span, 69A, 357

Light-dark, 70A, 265

Limulus, 69C, 7, 301; 70C, 177

Limulus neurons, 70C, 91

Linamarin, 68B, 575

13-Lined ground squirrels, 69B, 523

Linoleic acid, 70A, 571

Lipase, 68B, 325

Lipids, 68B, 111, 135, 425, 527; 69B, 9, 99,
107, 725, 819; 70A, 555; 70B, 179, 313, 679

Lipid biosynthesis, 69C, 31

Lipid composition, 68B, 351; 69B, 553, 599,
843; 70B, 779

Lipoproteins, 68B, 125; 69B, 291, 541; 70B,
30

Vol.
69A
1981

- 387, 759
- Lipoprotein lipase, 69B, 585
- Lipoprotein metabolism, 70B, 753
- Lithium, 69C, 353
- Litoralon, 69C, 411
- Littorina rudis, 70C, 139
- Liver, 68A, 313; 68B, 203; 68C, 9, 115; 69B, 307, 311; 70B, 209; 70C, 255
- Liver glycogen, 70B, 447
- Liver transplantation, 70A, 309
- Lizards, 70A, 33; 70B, 359
- Lobsters, 70A, 239
- Lobster axon plasma membranes, 69C, 185
- Locust, 68C, 29; 70A, 351; 70B, 387
- Locusta migratoria, 68A, 25; 69C, 411
- Locust flight metabolism, 69B, 315
- Locust flight muscle, 70B, 509
- Lolliguncula brevis, 69A, 641
- Lotaustralin, 68B, 575
- L-thyroxine, 69B, 307, 311
- Lumbricidae, 69C, 243
- Lumbricus terrestris, 68A, 681; 68C, 85 70A, 57
- Luminescence, 68C, 187
- Lung, 68B, 203; 69B, 9, 797; 69C, 19
- Lung-air-sac system, 68A, 1; 69A, 449
- Lutein, 70A, 619
- Lymnaea stagnalis, 68A, 199; 69A, 789; 69B, 877; 70A, 293; 70B, 45
- Lymphocyte, 69B, 287, 547; 70B, 279
- Lysmata seticaudata, 70B, 571
- Lysosomes, 69B, 851
- Lysozyme, 70B, 615
- Lytechinus variegatus, 70B, 653
- Macaca fascicularis, 70A, 45
- Macaca fuscata, 69A, 591
- Macaca mulatta, 70B, 767
- Macrobrachium ohione, 70A, 47
- Macrobrachium rosenbergii, 70A, 47; 485
- Macropus eugenii, 70B, 105
- Magnesium, 69C, 345
- Malaclemys terrapin, 68A, 55
- Malate dehydrogenase, 69B, 201, 237; 70B, 289, 607
- Malate metabolism, 69B, 859
- Male/female ratio, 70A, 229
- Malpighian tubules, 69A, 211
- Mammary growth, 70A, 427
- Mammuthus primigenius, 68B, 135
- Man, 69A, 1; 70A, 309, 611
- Manduca sexta, 68C, 1; 70B, 639
- α -Mannosidase, 70B, 319
- Mantid, 70A, 205
- Marine sponges, 70B, 69
- Marmots, 69A, 621, 627
- Marphysa sanguinea, 70B, 165
- Marsupial, 70B, 541, 619
- Marsupium, 69A, 603
- Mastication, 70A, 567
- ME, 70B, 289
- Meso-astaxanthin, 69B, 621
- Mechanical responses, 69C, 171
- Melanins, 70B, 611
- Melanin-dispersing, 70C, 27
- Melanophores, 70C, 27, 293
- Melanoplus bivittatus, 70B, 441
- Melanoplus dawsoni, 70B, 441
- Melanoplus femurrubrum, 70B, 441
- Melatonin, 70A, 69, 435
- Mellito quinquiesperforata, 70A, 607, 603
- Membrane-bound lipids, 69B, 523
- Membrane current, 68C, 35
- Membrane current conductance, 69C, 61
- Membrane potentials 69A, 137
- Membrane-potential changes, 69C, 235
- Membrane potentials of Tetrahymena vorax, 69C, 265
- Membrane protein mobility, 70A, 261
- Mercenaria mercenaria, 69B, 337; 69C, 13
- Mercuric chloride, 68C, 151; 69C, 67, 253
- Mercury, 68C, 69, 91, 195, 199
- Mercury-binding proteins, 70C, 59
- Meriones unguiculatus, 68A, 31; 68C, 181
- Merluccius gavi, 68B, 251
- Metallothionin, 70B, 93; 70C, 255

- Metabolic capacity, 69A, 697
 Metabolic inhibitors, 69A, 137
 Metabolic rate, 69A, 1, 731
 Metabolic responses, 70A, 623
 Metabolism, 69A, 113, 177, 621, 689; 70A, 555
 Metal binding, 70A, 559
 3-Methylcholanthrene, 70C, 297
 Methylmercuric chloride, 68C, 151; 69C, 67
 4 α -methylsterols, 69B, 175
 Mevalonate, 70B, 219
 Mg²⁺-ATPases, 69B, 249
 Mg²⁺-HCO₃⁻-ATPase, 70B, 703
 Microcalorimetric measurements, 69A, 705
 Microbodies, 69A, 405
 Microclimate, 69A, 165
 Microsomal mixed-function oxidase, 68C, 221; 70C, 97
 Microsomes, 69B, 231; 70B, 53, 323
 Microspheres, 69A, 417
Microtus arvalis Pall, 70A, 161
 Milk, 68A, 281; 69A, 129; 70A, 375
 Milk secretion, 70A, 13
 Mirex, 69C, 345
 Mitochondria, 68A, 625; 69A, 329; 69B, 377; 69C, 235
 Mitochondrial ATPase, 69B, 361
 Mitochondrial cytochromes, 69B, 769
 Mitochondrial energy metabolism, 69B, 673
 Mixed-function oxidase, 69B, 493
 Mn²⁺ and Ca²⁺ ATPase, 69C, 185
Modiolus modiolus, 68C, 199
Moina macrocopa, 70A, 381
 Molluscan smooth muscle, 70C, 171
 Molluscs, 70B, 521
 Molt, 69A, 523
 Molt cycle, 69B, 701
 Molting, 69A, 125
 Molt interval, 68A, 549
 Monoamines, 68C, 85; 70C, 215
 Monoamine accumulations, 70C, 71
 Monoamine oxidase, 68C, 145; 69C, 179, 227; 70C, 281
 Monochloramine, 69C, 133, 337
Morone americana, 69A, 467
Morone saxatilis, 69A, 467
 Motor activities, 70A, 265
 Motor neurons, 70A, 165
 Motor pool, 70A, 165
 Mouse, 68A, 673; 69B, 201, 295, 493, 791; 70A, 9, 265, 615
 Mouse L-cells, 70C, 223
 Mouse strain, 69C, 199
 Mouse tissues, 70B, 595
 Mucus secretion, 69C, 67
Musca domestica, 69A, 211; 69B, 361, 371
 Muscarinic receptor, 69C, 387
 Muscimol, 69C, 7; 70C, 49
 Muscle, 68A, 331; 69B, 5, 329; 70A, 341; 70B, 587
 Muscle fibers, 69A, 249
 Muscular dystrophy, 70B, 27
 Mussel hearts, 70C, 229
Mya arenaria, 69B, 337
 Myocardium, 69A, 649, 659
 Myoglobin, 68A, 159; 70A, 217; 70B, 169, 353
 Myoinositol, 68A, 249; 70B, 579
 Myofibrillar proteins, 69B, 79
 Myosin B, 70B, 435
Myotis lucifugus, 70A, 537
Mytilus edulis, 68A, 9; 68B, 141, 383; 68C, 63; 69A, 243, 311, 417; 69B, 147, 851; 69C, 25, 137; 70A, 119; 70B, 125, 689; 70C, 71, 139, 215
 N-acetyl- β -D-hexosaminidase, 69B, 869
 NADP-dependent isocitrate dehydrogenase, 68B, 383
 Na⁺-K⁺-ATPase, 68B, 295; 68C, 29; 69A, 133; 69B, 249; 70A, 315; 70C, 35
 Na⁺-dependent amino acid transport, 69A, 231
 Na⁺ + K⁺-linked Mg²⁺ ATPase, 69C, 45

- β -N-acetylglucosaminidase, 68B, 71;
- 69B, 337
- Naja naja siamensis, 69B, 345
- Nalaxone, 69C, 105
- Naphthalene, 70C, 13
- β -Naphthoflavone, 69C, 219
- Natrix erythrogaster transversa, 70B, 811
- Neanthes succinea, 70A, 631
- Necturus maculosus, 70A, 65
- Nematocyst venom collagenase, 69B, 529
- Nematodes, 70B, 579
- Neomysis integer, 68B, 183
- Neotenic urodeles, 70A, 65
- Neuronal organisation, 69A, 789
- Neurons, 70A, 293
- Neurotoxic action, 69C, 313
- Neurotransmitter, 69C, 293
- Neuston, 70B, 381
- Nephridia, 68A, 391, 663; 69A, 349
- Nereidae, 70B, 493
- Nereis virens, 68B, 41; 68C, 43
- Neurointermediate lobes, 69C, 75
- Neuromuscular transmission, 68C, 75
- Neurosecretory endogenous oscillators, 68A, 199
- Newt, 70A, 115
- Nitrogen, 70A, 145
- Nitrogen excretion, 69A, 389; 69B, 499; 70A, 563
- Nitrogen metabolism, 68A, 119, 589; 68B, 407; 70B, 499
- Nitrogen utilization, 69A, 583
- Non-adrenergic innervation, 70C, 59
- Non-cholinergic innervation, 70C, 65
- Noradrenergic neurotransmission, 70C, 27
- Norepinephrine thermogenesis, 69A, 697
- Notomys alexis, 68A, 405; 69A, 297; 69C, 379
- Nucleotide profiles, 70B, 541
- Nudibranch, 68A, 487
- Nutrients, 70A, 509
- Nutrition, 68A, 149
- Nutritional balance, 69A, 517
- Obese mouse, 69B, 493
- Octopamine, 69C, 301; 70B, 35; 70C, 201, 277
- Octopod, 70A, 103
- Octopus vulgaris, 70C, 241
- Ocular blood flow, 68A, 269
- Odors, 70A, 149
- Oestrogen, 69B, 295
- Oil pollution, 69A, 169
- Oleoyl CoA, 68C, 9
- Onchidium pacemaker neuron, 69A, 745
- Oncopeltus fasciatus, 68B, 593
- Oncorhynchus kisutch, 69A, 701; 69C, 345
- Oocyte RNA, 70B, 493
- Opossum, 69A, 337
- Optomotor neurons, 70A, 251
- Orconectes limosus, 68B, 339; 70A, 447
- Oreaster reticulatus, 69A, 175
- Organic phosphate binding, 69A, 709
- Organochlorine insecticides, 70C, 97
- Organophosphorus insecticides, 68C, 255
- Ornithine aminotransferase, 69B, 295
- Oryzias latipes, 70C, 129
- Os, 70A, 525
- Osmoregulation, 69A, 493; 70A, 519, 525
- Osmotic adaptations, 68A, 123
- Osmotic fragility, 70A, 335
- Ostrea edulis, 70C, 13
- Otolith, 68A, 659
- Ouabain, 68C, 29; 69B, 803
- Ouabain insensitive ATPase, 70B, 775
- Ovaries, 70A, 545
- Ovis aries, 68B, 155, 547, 551, 555
- Ovine prolactin, 68A, 61
- Ovoviviparous salamander, 70A, 563
- Ovulation, 69A, 557
- Owenia fusiformis, 70A, 111
- Owls, 68A, 237
- Ox, 68C, 145
- Oxidase, 69C, 219
- Oxygen, 69B, 1
- Oxygen affinity, 69A, 279; 70A, 91
- Oxygen consumption, 68A, 605; 69A, 51, 121, 33

- 141, 363, 437, 467, 595; 70A, 371, 497, 533; 70C, 139
- Oxygen equilibrium, 70A, 111
- Oxygen uptake, 68A, 103, 527; 69A, 487, 679
- Oxygenase, 68C, 55; 69C, 331
- Oyster, 68A, 253
- Pachygrapsus crassipes, 69A, 205
- Pachymedusa dactinicolor, 70A, 329
- Packed cell volume, 70A, 611
- Pagophilus groenlandicus, 70B, 795
- Pagurus pollicarus, 68A, 49
- Palaemon serratus, 68B, 49, 65
- Palaemonetes pugio, 68A, 451
- Palmitate, 69B, 837
- [1-¹⁴C]palmitic acid, 68B, 351
- Palmityl-CoA oxidase, 68B, 151
- Panaeus, 68A, 75
- Pancreas, 68A, 211; 69A, 429
- Pancreatic enzymes, 68A, 495
- Pancreatic extracts, 69A, 31
- Pancreatic proteolytic enzymes, 69B, 639, 647
- Pandalus borealis, 69B, 621
- Panulirus argus, 69A, 523
- Panulirus interruptus, 69C, 253
- Para-chlorophenylalanine, 68C, 181
- Paralicella capresca, 69A, 563
- Paramecium caudatum, 70B, 185
- Paranitroanisole, 68C, 239
- Parasitized, 70B, 415
- Parathyroid, 68B, 401
- Parietalectomy, 69A, 575
- Parotid gland, 70B, 725
- Passerculus sanwicensis, 69A, 783
- Pathology, 70A, 547
- PCBs, 69C, 345
- pCO₂, 69A, 805
- Pedal ganglia monoamine uptake, 70C, 215
- Pedal retractor, 70A, 275
- Penaeus setiferus, 68A, 677; 70A, 525
- Penaeus stylirostris, 68A, 677; 70A, 525
- Pentylene tetrazol, 68C, 99; 69C, 113
- Pepsin, 68A, 9
- Peptidases, 69B, 55
- Peptides, 69C, 75
- Peptide formation, 68C, 213
- Peptide hydrolase, 69C, 169
- Perca flavescens, 69A, 557
- Perchloric acid, 69B, 303
- Perchloric acid soluble proteins, 70B, 63
- Perinatal period, 70B, 193
- Perfused midgut, 69A, 317
- Periplaneta americana, 69C, 7, 293, 301
- Periopthalmus cantonensis, 68A, 589
- Permeability, 69A, 211, 603
- Peromyscus maniculatus bairdi, 68A, 563
- Peroxidase, 68B, 357
- Peroxide metabolism, 69B, 637
- Peroxisomes, 68B, 151
- Pesticides, 69C, 185
- PFK, 68B, 77; 69B, 127, 435, 517; 70B, 161
- PGM, 70B, 289
- pH, 68B, 193; 69A, 637; 70A, 91, 359
- Pharmacokinetics, 69C, 353
- Phenanthrene, 70C, 21
- Phenols, 69C, 235
- Phenol conjugation, 69C, 379
- Phocagroenlandica, 69A, 579, 809
- Phormia terrae novae, 68A, 571
- Phosphagens, 70B, 77
- Phosphate, 70B, 199
- Phosphatidylcholine, 68B, 313; 69A, 291; 70B, 783, 787
- Phosphatidylethanolamine, 70B, 783, 787
- Phosphine, 69C, 129
- Phosphoarginine, 70B, 35
- Phosphodiesterase, 68C 21; 69C, 13
- Phosphoenolpyruvate carboxykinase, 68A, 41
- Phosphofructokinase, 68B, 77; 69B, 435, 517; 70B, 161
- 6-Phosphogluconate dehydrogenase, 70B, 263
- Phosphoglucose isomerase, 70B, 295
- Phosphoglycerate mutases, 70B, 237, 247

- Phosphoglycerides, 70B, 401
- Phospholipases, 68B, 561
- Phospholipid, 68B, 203, 209; 69B, 115, 487, 797; 70B, 53, 327
- Phospholipid composition, 70B, 783, 787
- Phosphoadenylates, 70A, 421
- Phosphoarginine, 69B, 329
- Phosphocreatine, 69B, 329
- Phosphorus, 68C, 69
- Phosphorylase A, 69B, 47
- Phosphorylase B, 69B, 47
- Photoperiod, 68A, 411; 70B, 45
- Photoperiod regimes, 70A, 9
- Photoperiodic responsiveness, 69A, 575
- Photoresponse, 68A, 487
- Phylogenetic recapitulation, 68B, 301
- Phylogenetic relationships, 70B, 739
- Physalia physalis, 70B, 635
- Physignathus lesueurii, 68A, 429, 437; 69A, 805
- Picrate, 68C, 243
- Pieris brassicae, 68B, 95
- Pigs, 69B, 69; 70A, 309; 70B, 295, 477
- Pigeon, 69C, 213
- Pigeon embryo, 68A, 641
- Pigment, 68A, 597; 68B, 517
- Pikeperch, 69B, 5
- Pinelectomy, 70A, 69
- Placopecten magellanicus, 70B, 35
- Planaria, 69C, 105; 70B, 775
- Plasma, 70B, 795
- Plasma levels, 70A, 309
- Plasma lipids, 69B, 541; 70B, 457
- Plasma lipoproteins, 69B, 107
- Platichthys flesus, 68B, 77; 69B, 47, 435; 69C, 45; 70B, 515
- Plethodon dorsalis angusticlavius, 69A, 499
- Pleuronectes platessa, 70C, 193
- Pimephales promelas, 68A, 337
- Pineal organ, 68A, 127
- Plankton, 70B, 381
- Pleuronectes platessa, 69C, 325
- Pneumostoma, 69A, 85
- PO₂, 68A, 579
- Poecilia, 69B, 881
- Polar bear, 69A, 177; 69B, 541; 70A, 595
- Polychlorinated biphenyls, 69C, 219
- Polymorphism, 69B, 223
- Polypeptide main intrinsic, 68B, 101
- Polyribosomes, 69B, 213
- Polysaccharidases, 69A, 429
- Pomacea lineata, 69A, 595
- Popenanias buckleyi, 68B, 119
- Postnatal changes, 69A, 279
- Post-weaning fast, 70B, 795
- Post-weaning rats, 70A, 491
- Potassium, 69A, 157; 70A, 157, 161
- Potassium conductance, 68C, 243
- Potassium contracture, 68A, 9
- Potassium-dependent inhibitory synaptic, 70A, 37
- Potassium dichromate, 68C, 161
- Praunus flexuosus, 70B, 409
- Pregnancy, 69A, 337
- Pressure/temperature, 69A, 665
- Primates, 69A, 543; 69B, 291
- Prolonged diving, 70A, 359, 365, 371
- Procambarus bouvieri, 68A, 477
- Procambarus clarki, 68A, 549
- Procellariiformes, 69B, 629
- Processa edulis, 70B, 571
- Prochlorophyte, 69B, 843
- Proctoeces maculatus, 70A, 119
- [¹⁴C]progesterone, 70B, 661
- Proline, 70A, 547
- Propionylcholinesterase, 70C, 209
- Prostaglandin biosynthesis, 70C, 195
- Protease, 70B, 803
- Protein, 68B, 457, 527, 535; 69A, 99, 637; 69B, 701; 70B, 487
- Protein-lipid interactions, 69B, 731
- Protein metabolism, 70A, 649
- Protein phosphorylation 69B, 61
- Proteinases, 70B, 713
- Proteolytic activities, 68B, 389; 70B, 463

- Proteolytic system, 70B, 133
- Prolactin, 68A, 653
- Protopterus aethiopicus, 70A, 335
- Protozoa, 68A, 131, 531
- Pseudemys scripta, 70A, 359, 365, 371; 70B, 161
- Pseudorasbora parva, 69A, 187
- Pteridines, 69B, 91
- Pump electrogenesis, 69A, 249
- Purine, 70A, 591
- Purine nucleotide, 68B, 407
- Purine nucleoside kinases, 70B, 595
- Puromycin, 68A, 611
- Pyloric motoneurons, 69C, 191
- Pyrethroid insecticides, 70C, 265
- Pyruvate kinase, 70B, 77
- Quails, 70A, 265
- Quail plasma, 70B, 731
- Rabbits, 68A, 211; 68C, 9, 213; 69B, 5, 85, 201, 585, 837; 70A, 611
- Rainbow trout, 68A, 457; 68C, 239
- Rana, 70B, 421
- Rana berlandieri, 70A, 329
- Rana esculenta, 68B, 57, 437; 69A, 683; 70B, 587
- Rana pipiens, 68A, 511, 515; 70B, 779, 787
- Rana rugosa, 68A, 95
- Rana temporaria, 68B, 57; 69A, 705; 69C, 371
- Rat, 68A, 1; 68B, 445, 599; 68C, 9, 213; 69A, 43, 675; 69B, 5, 85, 201, 237, 295, 585, 633, 637, 655; 70A, 265, 309, 567, 583; 70B, 345, 427; 70C, 285
- Rat brain, 69C, 153
- Rat heart, 68C, 175
- Rat lungs, 69A, 285
- Rat red cell membranes, 70B, 559
- Rat small intestine, 70B, 703
- Reabsorption, 68A, 663
- Receptor-ionophore, 68C, 35
- Red blood cells, 69A, 771
- Red cell composition, 70A, 315
- Red cell membrane proteins, 68B, 421
- Red muscle, 69B, 413
- Red Sea, 68C, 195
- Regulatory proteins, 69B, 577
- Reindeer, 68C, 145
- Relaxing drugs, 70C, 171
- Renal function, 68A, 405; 69A, 219, 297
- Renal haemodynamics, 69A, 345
- Renal performance, 70A, 145
- Renal plasma flow, 68A, 405
- Renal renin, 68B, 329
- Renin, 68A, 307
- Reproductive cycle, 70A, 53
- Reproductive energetics, 70B, 645
- Reproductive inhibition, 68A, 563
- Reserpine, 70C, 273
- Respiration, 68A, 429; 69A, 175, 599, 759; 69B, 809; 70A, 551
- Respiratory adaptations, 69A, 321
- Respiratory CO₂, 70A, 285
- Respiratory electron transport system, 70B, 653
- Respiratory metabolism, 70A, 627
- Respiration of tissues, 70A, 27
- Respiratory chain, 69B, 361
- Respiratory disturbances, 69A, 333
- Respiratory gases, 69A, 373
- Respiratory metabolism, 68A, 241; 70A, 223
- Respiratory movements, 68A, 399
- Respiratory pattern, 69A, 449
- Respiratory rhythm, 70A, 639
- Respiratory quotient, 70A, 639
- Rhesus monkeys, 68B, 421; 69C, 165
- Rhizocephalans, 70B, 415, 657
- Rhodanese, 70B, 623
- Rhodnius prolixus, 68B, 377; 70B, 825
- Rhodoxanthin, 69B, 885
- Rhynchosciara americana, 68B, 89
- Rhyzopertha dominica, 69C, 129
- Ribonucleases, 69B, 353; 70B, 147
- 26S ribosomal RNA, 70B, 825

- 28S ribosomal RNA, 68B, 377
- 3-ribosyluric acid, 69B, 505
- Richardson's ground squirrels, 69A, 551
- RNA's, 68B, 377
- RNA synthesis, 68A, 323; 68C, 251
- Rodents, 69A, 145
- Root effect, 69A, 709
- Rutilus rutilus, 68A, 187; 69A, 537
- Ryanodine, 70C, 185
- S-100, 68A, 611
- Sabella melanostigma, 69A, 487
- Sabella pavonina, 68A, 391, 663; 69A, 349
- Sacculina carcini, 70B, 657
- Salamandra salamandra, 70A, 563
- Saline inhibition, 68A, 31
- Salinity, 68A, 55, 75, 555; 69A, 125, 417, 599; 69C, 137; 70A, 17, 47, 127, 519, 551, 631
- Salinity adaptation, 69A, 237
- Salinity tolerance, 69A, 641
- Salmo gairdneri, 68A, 307; 68B, 147, 457, 461, 527; 68C, 151, 167; 69A, 99, 455, 583, 767; 69B, 183, 231, 311; 69C, 31, 67, 83, 125, 157; 70A, 53, 97, 133, 315; 70B, 161, 631, 829; 70C, 149, 297
- Salmo gairdnerii irideus, 68B, 517
- Salmo trutta, 69B, 393
- Sarcophaga bullata, 68B, 325
- Sarcophaga nodosa, 69A, 133
- Sarcoplasmic reticulum, 68A, 625; 70A, 351
- Scapharca broughtoni, 69B, 599
- Scardinius erythrophthalmus, 68A, 187
- Sceloporus accidentalis, 69A, 363
- Scent gland, 68B, 593
- Schistosoma mansoni, 68B, 111, 467; 69B, 803
- Schistosome, 68C, 229
- Scorpions, 68A, 231, 277
- Scorpion walking leg motor system, 69A, 73
- SDS solubilized membranes, 69B, 15
- Seals, 68A, 81
- Sea nettle, 68C, 235
- Seasonal variation, 69A, 649
- Sea urchin, 70A, 397
- Sea urchin embryos, 69C, 205; 70A, 285
- Seawater drinking, 68A, 81
- Selenium, 69C, 331
- Semen, 70B, 619
- Semi-lunar cyclicality, 69C, 293
- Sensory adaptation, 68A, 17
- Sensory integration, 70A, 251
- Sensory processing, 70C, 159
- Sepia officinalis, 69B, 865
- Septation, 69A, 329
- Sergestes lucens, 68C, 199
- Serine catabolizing enzymes, 68B, 147
- Serum albumin, 69C, 375
- Serum amyloid P-component, 69C, 325
- Serum T-agglutinin titers, 69A, 59
- Sex, 69A, 595
- Sex-hormone, 70A, 247
- Sex pheromonal activity, 70A, 229
- SGO-T, 68C, 69
- SGP-T, 68C, 69
- Sheep, 68A, 495; 69B, 585; 70A, 13
- Shell morphology, 70C, 139
- Shivering, 69A, 43; 69C, 213
- Shrew, 69A, 1
- Sicyases sanguineus, 68A, 123
- Sicyonia brevirostris, 70A, 519
- Sicyonia dorsalis, 70A, 519
- Silkworm, 68B, 567
- "Simple" behaviour, 70A, 397
- Skeletal muscle, 68B, 369
- Skin, 69B, 91
- Skin perfusion, 69A, 805
- Skin surface lipid, 69B, 75
- Skin water uptake, 69A, 219
- Sloughing cycle, 69A, 113
- Slow muscle, 70A, 583
- Small intestine, 70A, 107
- Snail tentacle ganglion, 70A, 149
- Snakes, 68A, 115

- Societal synchronization, 70A, 265
- Sodium, 68A, 373, 677; 70A, 47, 157
- Sodium fluoride, 69B, 505
- Sodium regulation, 69A, 273
- [¹²⁵Sb]sodium stibogluconate, 68C, 95
- Solvent extraction chemicals, 69C, 83
- Somatic polyploidy, 69A, 777
- Sorbitol dehydrogenase, 69B, 909
- Specific dynamic action, 69A, 579
- Spectral sensitivity, 70A, 595
- Spermatozoa, 68B, 289
- Spermatozoa survival, 70A, 387
- Spermiogenesis, 70A, 571
- Spermophilus richardsoni, 69B, 797
- Spermophilus tridecemlineatus, 70A, 435
- Spermophilus lateralis, 70B, 601
- Spheniscus demersus, 69A, 169
- Sphenomorphus quoyii, 70A, 509
- Sphyrna tiburo, 70A, 127
- Spine pointing, 70A, 397
- Spisula solidissima, 69B, 337
- Sponges, 70B, 367
- Spongia officinalis, 69B, 445
- Spore coat proteins, 70B, 535
- Squid, 68B, 389
- Squid mantle muscle, 70B, 791
- Squirrel, 70B, 263
- Staphylococcus aureus, 68A, 527
- Starfish, 70B, 739
- Starvation, 69A, 461; 70B, 45
- Starved bream, 70A, 211
- Starved frogs, 69A, 683
- Statocyst, 68A, 17
- Stereoselective binding, 69C, 375
- Steroids, 69B, 511; 70B, 345
- Steroid hormones, 69A, 659
- Sterol, 70B, 153, 719
- $\Delta^{5,7}$ -sterols, 68B, 177
- Sterol synthesis, 68B, 281
- Stiffness change, 70C, 41
- Stomatogastric ganglion, 69C, 191
- Stomoxys calcitrans, 68B, 425; 69B, 279
- Stored product mites, 70B, 803
- Streptococcus sp., 68A, 527
- Stress, 68A, 411; 70C, 135
- Submandibular gland, 69B, 673; 70A, 567
- Submaxillary mucin, 69B, 605
- Subsocial insects, 68A, 289
- Substrate shuttles, 70B, 209
- Subunit heterogeneity, 70B, 115
- Sulfhydryl group reagents, 70B, 247
- Superoxide dismutase, 68B, 357; 69B, 865, 893; 70B, 819
- Surface lipids, 70B, 441
- Surface membrane proteins, 70B, 767
- Sus scrofa, 69B, 775
- Swimbladder, 69A, 291, 537
- Sylvilagus aquaticus, 69C, 367; 70A, 533
- Synaptic inputs, 70A, 293
- Synaptic interaction, 68A, 49
- Synaptosomes, 70C, 177
- Synchrony, 68A, 443
- Syngnathus fuscus, 69A, 603
- Taenia crassiceps, 69B, 553
- Tail flattening component, 70A, 57
- Talitrus saltator, 70A, 639
- Tamias striatus, 70A, 529
- Tapes watlingi, 70C, 277
- Tasmanian Devil, 70B, 541
- Taurine, 69A, 571; 69C, 149, 411
- Teleosts, 70A, 541
- Temperature, 68A, 87, 187, 277, 337, 383, 437; 68B, 527; 69A, 51, 169, 205, 267, 411, 461, 499, 631, 679, 767; 69C, 213; 70A, 91, 247, 491, 555, 623, 627; 70B, 193; 70C, 261
- Temperature acclimation, 70A, 33; 70B, 331
- Temperature-dependence, 70A, 351
- Temperature preference, 68A, 501
- Temperature responses, 70A, 23
- Tentacle reflex, 68A, 467
- Terrapene carolina triunguis, 70A, 199, 599
- Testis, 68B, 245; 69A, 713
- Testosterone, 69A, 713; 69B, 295; 70A, 115, 247
- Tethya aurantia, 70B, 799

- Δ^1 -tetrahydrocannabinol, 69C, 19
- Tetrahymena pyriformis, 68A, 43; 68C, 251; 69B, 213
- Tetrahymena vorax, 69C, 275, 281
- Thannophis sirtalis parietalis, 69A, 113
- Theophylline, 69C, 13
- Thermal acclimation (see also Temperature) 69A, 505; 69B, 9
- Thermal behaviour, 69B, 169
- Thermal conductance, 69A, 611
- Thermal conductivity, 68A, 107
- Thermal dissociation, 70B, 825
- Thermal lability, 70B, 247
- Thermal responses, 69A, 187
- Thermal stress, 70A, 1
- Thermoacclimatory modification, 70A, 315
- Thermogenic effects, 69A, 479
- Thermoneutrality, 69A, 411
- Thermoregulation, 68C, 181
- Thermoregulatory development, 69A, 149
- Thermostability, 69B, 577
- Thiamine, 69A, 305
- Thiamine phosphorylation, 70A, 643
- Thiosulphate sulphurtransferase, 70B, 623
- Thrombocyte, 68A, 457
- Thunnus thynnus thynnus, 70A, 217
- Thyroglobulin, 70B, 341
- Thyroid, 70B, 341
- Thyroid hormone, 69A, 675; 70A, 575
- Thyroid metabolism, 69A, 259
- Thyroxine, 68C, 103
- Tiger beetles, 69B, 903
- Tigriopus californicus, 69A, 273
- Tilqua rugosa, 70B, 661
- Tissue carbohydrate reserves, 70A, 87
- Tissue changes, 69A, 683
- Toad, 69A, 219, 659, 659
- Tongue, 69A, 395
- Torpor, 68A, 605; 69A, 689
- Toxocara canis, 69B, 859
- Training, 69A, 567
- Transamination, 68B, 407
- Transepithelial potential, 69A, 317
- Transepidermal uptake, 69A, 443
- Transferrin, 68B, 505
- Transport, 68A, 225; 69B, 681; 70B, 209
- Transuranics, 68A, 423
- Treefrogs, 68A, 175
- Trehalase, 70B, 509
- Trehalose, 69B, 471; 70B, 579
- Trematode infection, 70B, 45
- Triacylglycerols, 68A, 361
- Triatoma infestans, 68C, 255
- Triatoma phyllosoma pallidipennis, 70B, 713
- Tribolium castaneum, 69B, 29
- Trichosurus vulpecula, 70B, 619
- Triclad, 69A, 443
- Tri ethyl tin bromide, 70C, 261
- Triglyceride fatty acid, 69B, 99
- Triglyceride metabolism, 69B, 633
- Triiodo-L-thyronine, 69B, 311; 70A, 615
- Trimethylamine oxidation, 69C, 307
- Triosephosphate isomerase, 70B, 257
- Triturus cristatus carnifex, 69B, 121
- Trophic interactions, 68A, 299
- Trophic state, 70A, 497
- Trout (see also Salmo) 68A, 417; 69B, 99, 107; 69C, 133; 70C, 261
- Trout erythrocytes, 69C, 337
- Trout stomach, 70C, 65
- Trypanosoma brucei, 70B, 447
- Trypanosoma brucei brucei, 70B, 319, 451
- Trypanosoma brucei gambiense, 68B, 521; 69B, 617, 791
- Trypanosoma cruzi, 68B, 237; 70B, 327, 463
- Trypanosoma rangeli, 70B, 463
- Trypsin, 69B, 639, 647
- Tryptic peptides, 70B, 487
- Tryptophan, 69C, 375
- Tryptophan catabolites, 68B, 521
- T-sites, 69A, 59
- Tubifex, 69B, 769, 809; 70B, 77
- Tubocurarine chloride, 70A, 243
- Tubules, 69A, 211
- Tubulin, 70B, 375
- Tubulin tyrosylation, 69B, 387

- Turbatrix aceti, 69B, 115
 Turkeys, 70A, 179
 Turtles, 68B, 497; 70A, 235, 653
 Tyrosine, 68B, 481
 Tyrosine aminotransferase, 70B, 451
 Tyrosinase, 68B, 415

Uca, 69B, 897
Uca pugilator, 68A, 597; 68C, 205; 70C, 27
 UDP-galactose 4-epimerase, 70B, 45
 Ultimobranchial gland, 68A, 95
 [^{14}C]urea, 69A, 551
 Urea cycle, 70A, 79
 Urea excretion, 70A, 211
 Urea retention, 69A, 493
Urechis unicinctus, 69C, 171
 Uric acid, 68A, 265
 Uric acid production, 70A, 591
 Urine, 68A, 265; 69B, 791; 70A, 525, 653
Ursus americanus, 69A, 121
Ursus maritimus, 70A, 575
 Uterine constituents, 69A, 337
 Uterine gland, 69A, 325

 Vagal stimulation, 68A, 495
 Vampire rat, 69A, 511
Varanus exanthematicus, 69A, 31, 529, 717
 Vascular resistance, 69C, 157
 Vegetable diet, 70B, 105
 Venoms, 68B, 561; 68C, 75; 69B, 345;
 70B, 349, 635
 Ventral aortas, 70C, 85
 Verbenyl acetate, 70A, 229
 Vertebrate livers, 68B, 509
Vibrio parahaemolyticus, 70A, 439
 Virginia opossum, 70B, 645
 Virus, 70B, 179
 Vitamin B₆, 70B, 829
 Vitamin D, 69B, 183
 Vitamin D metabolism, 69A, 675
 Vitamin E, 69C, 331
 Vitellogenesis, 70B, 313
 Vitellogenin, 69B, 121; 69C, 109; 70B, 731

 Vocalization, 68A, 399
 Vole, 69A, 697; 70A, 23
Vorticella, 70A, 479
 V/P relationships, 69A, 285
Vulpes vulpes, 68B, 125

Waglerophis merremii, 69A, 739
 Warfarin, 69C, 375
 Water, 69B, 1; 70A, 145
 Water balance, 68A, 237, 405; 70A, 405
 Water budgets, 69A, 627
 Water flux, 69A, 317
 Water intake, 69A, 197
 Water loss, 68A, 349
 Water temperature, 70A, 603
 Water turnover, 68A, 349
 Weevil, 68A, 261
 Weight, 69A, 595
 Weight dependence, 69A, 113
 Whey proteins, 68B, 225
 White muscle, 69B, 413
 Wildebeest, 70A, 87
 Worker bees, 69B, 471

 X-537A, 69A, 65
 Xenobiotics, 68C, 121
Xenopus laevis, 68B, 295; 68C, 221; 69A, 605;
 69C, 75, 145; 70A, 329; 70C, 117
Xiphophorus, 69B, 91

 Yolk lipids, 68A, 641

 Zinc, 68C, 91, 115, 167
 Zn²⁺-dependent α -D-mannosidase, 70B, 125
 Zooxanthellae, 68B, 281

Vol.
9A
981